

# Samarpit Nandanwar

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📅 17/10/2002

## EDUCATION

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|------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Bachelor of Engineering (CSE)</b><br><i>Sant Gadge Baba Amravati University</i><br>CGPA- 8.37   Percentage - 73.62% | 06/2020 – 05/2024<br>Amravati, India |
| <b>Higher Secondary Certificate (Class XII)</b><br><i>New English High School Main</i><br>Percentage- 70.92%           | 06/2019 – 03/2020<br>Amravati, India |
| <b>Secondary School Certificate (Class X)</b><br><i>Dnyanmata High School</i><br>Percentage- 84%                       | 06/2017 – 03/2018<br>Amravati, India |

## PROFESSIONAL EXPERIENCE

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| <b>Associate Software Engineer</b><br><i>Tech Mahindra</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 03/2025 – Present<br>Hyderabad, India    |
| <b>CAPSTONE PROJECT</b> <ul style="list-style-type: none"><li>Developing a <b>multi-tier Blood Bank Service Management System</b> to streamline donor registration, blood inventory tracking, and inter-bank transfers.</li><li>Designing and implementing <b>RESTful APIs</b> using <b>ASP.NET Web API</b> for seamless data communication between the front-end and back-end.</li><li>Building a <b>responsive and user-friendly interface</b> with <b>HTML5, CSS3, Bootstrap, and jQuery</b> to ensure smooth user experience across devices.</li><li>Integrating <b>Entity Framework</b> with <b>SQL Server</b> for efficient database operations, including donor, hospital, and blood stock management.</li><li>Implementing <b>role-based authentication and authorization</b> to enhance system security and access control.</li><li>Collaborating in <b>version control and CI/CD processes</b> using <b>Git, Jenkins, and Docker</b> for continuous integration and deployment.</li></ul> |                                          |
| <b>Prompt Engineer</b><br><i>Outlier</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 08/2024 – 03/2025                        |
| <ul style="list-style-type: none"><li>Designed and fine-tuned advanced prompt architectures to optimize the output of AI language models, ensuring accuracy, relevance, and alignment with project objectives.</li><li>Conducted iterative testing and refinement of prompts to maximize efficiency, creativity, and contextual understanding across diverse use cases.</li><li>Leveraged expertise in natural language processing (NLP) to craft tailored prompts that enabled dynamic problem-solving and user-specific content generation.</li><li>Analyzed model behavior, identified performance bottlenecks, and implemented data-driven improvements to enhance AI responsiveness and reliability.</li></ul>                                                                                                                                                                                                                                                                                 |                                          |
| <b>Software Developer Intern</b><br><i>IIIT Kancheepuram</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 06/2024 – 11/2024<br>Kancheepuram, India |
| <ul style="list-style-type: none"><li>Implemented wear leveling algorithms to enhance non-volatile memory cache longevity, optimizing write distributions with LRU-CB policies.</li><li>Developed and maintained simulation tools for testing and analyzing NVM cache performance and lifespan improvements.</li><li>Designed, developed, and deployed scalable software applications, ensuring high performance, reliability, and maintainability across platforms.</li><li>Collaborated with cross-functional teams to gather requirements, define technical specifications, and deliver robust solutions aligned with business goals.</li></ul>                                                                                                                                                                                                                                                                                                                                                  |                                          |
| <b>Web Developer Intern</b><br><i>Asterisc Technocrat PVT. LTD.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 07/2023 – 08/2023<br>Nagpur, India       |
| <ul style="list-style-type: none"><li>Designed and implemented responsive user interfaces with React, leading to a 15% improvement in user satisfaction scores.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |

## TECHNICAL SKILLS

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**Tools and Languages:** Java, SQL, C, C++, Python, JavaScript

**Frontend Technologies:** ASP .NET Core MVC, NextJS, ReactJS, AngularJS, Wordpress and Elementor, Bootstrap, HTML, CSS, Javascript, Django

**Backend Technologies:** NodeJS, ExpressJS

**Databases:** Mysql, MongoDB, SSMS

**DevOps:** Docker, Kubernetes, Jenkins, Git, CI/CD, AWS

**CS Fundamentals:** DBMS, OOPS, Computer Networks, OS, DSA, AI, Data Science, ML

## PROJECTS

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### Blood Bank Service Management

*ASP .Net, SSMS, HTML, CSS, JS*

- Developed a full-stack **Blood Bank Service Management System** using **ASP .NET MVC, Web API, and SQL Server** to manage donors, camps, hospitals, and blood inventory.
- Implemented **CRUD REST APIs, role-based authentication**, and responsive UI using **Bootstrap, HTML5, CSS3, and jQuery**.
- Utilized **Entity Framework** for database operations and **Git, Jenkins, Docker** for version control and deployment.

### Credit Card Fraud Detection Using ML

*Python, Numpy, Pandas, SkLearn, Streamlit*

- Developed and deployed supervised learning algorithms, such as logistic regression, decision trees, and random forests, to accurately identify fraudulent transactions in real-time.
- Conducted comprehensive data preprocessing and feature engineering to create informative variables.

### School Management System

*Django, Python*

- **Developed a full-stack School Management System using Django**, enabling administrators to manage student enrollment, class schedules, and staff data, with features including attendance tracking, grading.