

Samarpit Nandanwar

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 Portfolio

 17/10/2002

EDUCATION

Bachelor of Engineering (CSE)

Sant Gadge Baba Amravati University

CGPA- 8.37 | Percentage - 73.62%

06/2020 – 05/2024

Amravati, India

Higher Secondary Certificate (Class XII)

New English High School Main

Percentage- 70.92%

06/2019 – 03/2020

Amravati, India

Secondary School Certificate (Class X)

Dnyanmata High School

Percentage- 84%

06/2017 – 03/2018

Amravati, India

PROFESSIONAL EXPERIENCE

Associate Software Engineer

Tech Mahindra

03/2025 – Present

Hyderabad, India

- Developing a **multi-tier Blood Bank Service Management System** to streamline donor registration, blood inventory tracking, and inter-bank transfers.
- Designing and implementing **RESTful APIs** using **ASP.NET Web API** for seamless data communication between the front-end and back-end.
- Building a **responsive and user-friendly interface** with **HTML5, CSS3, Bootstrap, and jQuery** to ensure smooth user experience across devices.
- Integrating **Entity Framework** with **SQL Server** for efficient database operations, including donor, hospital, and blood stock management.
- Implementing **role-based authentication and authorization** to enhance system security and access control.
- Collaborating in **version control and CI/CD processes** using **Git, Jenkins, and Docker** for continuous integration and deployment.

Prompt Engineer

Outlier

08/2024 – 03/2025

- Designed and fine-tuned advanced prompt architectures to optimize the output of AI language models, ensuring accuracy, relevance, and alignment with project objectives.
- Conducted iterative testing and refinement of prompts to maximize efficiency, creativity, and contextual understanding across diverse use cases.
- Leveraged expertise in natural language processing (NLP) to craft tailored prompts that enabled dynamic problem-solving and user-specific content generation.
- Analyzed model behavior, identified performance bottlenecks, and implemented data-driven improvements to enhance AI responsiveness and reliability.

Software Developer Intern

IIIT Kancheepuram

06/2024 – 11/2024

Kancheepuram, India

- Implemented wear leveling algorithms to enhance non-volatile memory cache longevity, optimizing write distributions with LRU-CB policies.
- Developed and maintained simulation tools for testing and analyzing NVM cache performance and lifespan improvements.
- Designed, developed, and deployed scalable software applications, ensuring high performance, reliability, and maintainability across platforms.
- Collaborated with cross-functional teams to gather requirements, define technical specifications, and deliver robust solutions aligned with business goals.

Web Developer Intern

Asterisc Technocrat PVT. LTD. 

07/2023 – 08/2023

Nagpur, India

- Designed and implemented responsive user interfaces with React, leading to a 15% improvement in user satisfaction scores.

TECHNICAL SKILLS

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

Frontend Technologies: NextJS, ReactJS, AngularJS, Wordpress and Elementor, Bootstrap, HTML, CSS, Javascript, Django, Dot Net

Backend Technologies: NodeJS, ExpressJS

Databases: Mysql, MongoDB

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

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

PROJECTS

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.