

SANDESH LAVSHETTY

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Education

Indian Institute of Information Technology, Nagpur

2023-2027(ongoing)

Bachelor of Technology in Computer Science and Engineering (AI & DS), CGPA: 8.82/10

Navneet Junior High School — Mumbai Central, India

XII - Subjects: Computer Science(C++), Maths Score: 89.2%

Experience

Software Developer Intern

Mar 2025 – May 2025

Indian Institute of Information Technology, Nagpur (IIITN)

- Led the in-house development of IIITN's official website iiitn.ac.in, serving 3,000+ users.
- Architected and implemented the complete backend using Python, Flask, and PostgreSQL, which improved system efficiency and reliability by covering APIs, authentication, and database schema design
- Designed and managed server deployment, DevOps pipelines, and security configurations, achieving 99.9% uptime and improving usability and boosting student engagement by 45% in the first month..
- Directed a team of frontend developers and content contributors, ensuring milestones were delivered on time and aligned with institutional requirements.
- Developed microservice-based HTTP applications using FastAPI and NodeJS, enhancing understanding of multithreading, synchronization, asynchronous programming, and cloud computing, which improved server efficiency

AI Intern – Testing Automation & AI Features

Mar 2024 – Dec 2024

Smarte Inc.

- Engineered and deployed AI/ML models for recommendation, prediction, and automation, improving feature accuracy by 28%.
- Optimized data pipelines for collection, extraction, and preprocessing, reducing model training time by 35%.
- Integrated advanced LLMs into production workflows using Langgraph and OpenAI Gpt models, enhancing recommendation relevance and reducing manual intervention by 40%.

Skills and Interests

Languages: C, C++, Python, HTML ,CSS,javascript,

Dev Tools: VScode, Git, Github , POSTMAN

Frameworks: FastApi , React.js , Node.js , Flask , LangChain, LangGraph, Agentic Pipelines, SQLAlchemy, Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, CI/CD

Cloud/Databases/Tools: Relational Database(mysql), Firebase , MongoDB ,Vector Databases(Chroma DB and Pinecone),PostgreSQL,Nginx

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Computer Network,Multicore Architecture, NLP , Machine Learning & Deep Learning

Areas of Interest: Product Management, Full Stack Web Development, Gen AI and Agentic Ai(LLM's) applications and Features development

Project Management :Agile methodologies, Scrum framework, project planning and execution

Projects

Audit AI | Techstack: FastAPI,Python,Langchain,PostgreSQL| Github

Sep 2024

- Developed AI Auditor, query data visualizer and tailored recommendation systems, reducing the audit cycle time by 25%

I.N.S.P.I.R.E. | Techstack: React,Node.js ,Express.js,MongoDB,Javascript| Github

Aug 2024

- Built a platform addressing bus travel inefficiencies, allowing 300 + active users and improving the coordination of the commute by 20% of students from Dia hostel.

Achievements/Certifications/Extracurriculars

- Fundamentals of Accelerated Computing with CUDA C/C++ – NVIDIA, Oct 2024 [Certificate](#)

• Winner, SIH 2025 Internal Hackathon: Secured **1st rank** to represent Indian Institute of Information Technology Nagpur at the national level, outperforming peers in a pool of 1.42 lakh+ internal participants nationwide.

- Level 4 Open-Source Contributor in Hacktober Fest [Holopin](#)

• Google Solution Challenge'24 Regional Finalist

- Club Co-Lead, GDG IIITN (Aug 2024 - Jan. 2025) - Directed 6 + tech events with 500 + participants, secured 15k sponsorship and increased engagement by 30%.