

SWASTI SANTOSH NAIK

Software Engineer

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CAREER SUMMARY

Highly skilled software developer proficient in JavaScript and Python, with expertise in Next.js, Node.js, Express.js, FastAPI, and LangChain for building complex AI agents. Experienced in developing full-stack MERN applications, leveraging MongoDB, PostgreSQL, MySQL, Git, Docker, and AWS. Proven track record in delivering innovative, scalable solutions across diverse, high-impact projects.

EDUCATION

BE in Computer Science and Engineering | CGPA: 8.6 | Visvesvaraya Technological University

2021-2025

TECHNICAL SKILLS

Languages: Typescript, JavaScript, Python, C/C++, Java.

Frontend: HTML, CSS, JavaScript, tailwindCSS, shadcn, React.js, Next.js.

Backend: Node.js, Express.js, fastAPI.

Databases: PostgreSQL, MongoDB, MySQL.

Other Technologies: Git, Docker, Langchain, AWS, Cursor.

PROFESSIONAL EXPERIENCE

AI DEVOPS INTERN | Rooman Technologies | Remote

Dec 2024 – May 2025

- Applied Generative AI (Gemini, ChatGPT, open-source LLMs) and AI-assisted tools (Cursor, Vibe Coding) for prompt engineering and workflow automation.
- Administered Linux systems and automated tasks using shell scripting, including user and file permissions, package and disk management, process handling, and system monitoring.
- Configured AWS resources (EC2, S3, IAM) to support secure and scalable cloud infrastructure.
- Built and deployed containerized applications using Docker and Kubernetes (EKS/GKE).
- Implemented CI/CD pipelines with GitHub Actions, automating build, test, and deployment workflows.

PYTHON DEVELOPER | Infosoft computers | karwar

Nov 2023 – Dec 2023

- Advanced from Python fundamentals to OOP, decorators, async/await, and debugging, writing clean and testable code.
- Built data pipelines with NumPy and Pandas for data cleaning, transformation, and exploratory analysis using vectorized operations.
- Developed RESTful APIs with FastAPI (Pydantic, async endpoints, routing, validation) and applied Git, unit testing, and lightweight data stores for end-to-end prototyping.

PROJECTS

AI-POWERED GRANT GENERATION AND DISCOVERY TOOLKIT.

Link : <https://ai-grant-generator.vercel.app>

Developed an AI-powered Grant Generator utilizing Next.js, TailwindCSS, shadcn, FastAPI, and LangChain with Gemini LLM to automate grant application content creation for non-profit organizations, enhancing efficiency and success rates.

- Engineered a secure authentication system using JWT and MongoDB for session management and scalable user profile persistence.
- Developed an AI-powered grant generator with a RAG architecture, cutting grant creation time by 80–90% and ensuring high accuracy.
- Accelerated performance by 60–70% through parallel AI agents with Python asyncio, enabling faster and more efficient grant generation.
- Designed an intelligent grant search and ranking engine using AI to match project descriptions with relevant opportunities, improving grant discovery accuracy by 2–3x. along with rich-text editing and dynamic templates for highly tailored grant applications.