

Preetham G Shiva

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Summary

Full-Stack Developer skilled in MERN stack and AI integration, with experience shipping production-ready applications and AI-powered solutions. Finalist in the national level hackathon among 100+ teams. Seeking a full-time role to build scalable full-stack and AI-driven systems in real-world environments.

Education

Global Academy of Technology

Bachelor of Engineering in Information Science

Bengaluru, India

Dec. 22 - Jun. 26 (Expected)

Current GPA: 8.9 / 10 (as of January 2026)

Projects

TARS Personalized AI Assistant | LangChain, Ollama, React, Tailwind CSS, FastAPI

May 2025

- Engineered a conversational AI assistant with emotions inspired by TARS from *Interstellar*, featuring a responsive React/Tailwind interface and a modular FastAPI backend optimized for smooth user interaction.
- Integrated LangChain and Ollama to enable contextual dialogue and crafted TARS-like personality traits, including a code editor to elevate the developer experience.

SurakshaPath—Location Safety Classifier | Python, Flask, React, MongoDB, Scikit-learn

May 2024

- Built an ML-powered safety classification system using models trained on live news data, recognized as a finalist in a national-level hackathon.
- Deployed Flask APIs backed by MongoDB to power real-time predictions on a React frontend, enhancing user awareness through instant safety insights. <https://surakshapath.vercel.app/>

Vector Borne Disease Outbreak Prediction System | Final Year Project, Python, ML, PostgreSQL

Dec 2025

- Built a machine learning pipeline to forecast ward-wise malaria outbreak risk in Bengaluru by analyzing climatic trends and historical disease records.
- Engineered a scalable MERN web platform with PostgreSQL backend to deliver interactive dashboards, ward-level risk visualization, and early-warning insights for proactive public-health action.
- Research outcomes were published in an IEEE conference paper, validating the model design, forecasting approach, and system architecture.

Skills and Courses

Languages: Python, C, JavaScript, SQL, TypeScript

Web & Frameworks: React, Next.js, Node.js, Express.js, Flask, FastAPI, Tailwind CSS

Databases: MongoDB, PostgreSQL, MySQL

Tools & Libraries: Git, Postman, NumPy, Pandas, Scikit-learn, TensorFlow, LangChain, Ollama, Axios

Courses: HTML/CSS/JS for Web Developers (Coursera) | Front-End Development (Coursera) | JavaScript Programming (Coursera) | Joy of Computing Using Python (NPTEL) | Programming in Java (NPTEL) | Probability & Statistics (NPTEL)

Experience

Intern - Full Stack Development, SustainEdge Consulting

Bengaluru, India

Fullstack Developer Intern

Jan 2025 – Feb 2025

- Implemented scalable React components for exceledge.in, improving UI consistency and reducing redundant code by 20%.
- Refined internal component libraries and streamlined API integrations, contributing to a 15% improvement in overall load performance.

SDE Intern, Vilcart Solutions Pvt Ltd

Bengaluru, India

Software Developer Intern

Jul 2025 – Present

- Optimized MERN-based logistics modules supporting 300+ distribution centers, reducing key API and MongoDB query latency by up to 30%.
- Produced reusable React components and collaborated with product teams to gather requirements, creating 5+ BRDs for clearer feature alignment.