

SAI PRANEETH PENDLI BESTHA

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PROFESSIONAL SUMMARY

Entry-level Software Engineer with hands-on experience developing responsive web applications, REST API backends, and AI-powered platforms using Python, FastAPI, HTML, CSS, JavaScript, SQL, and Git. Currently building a Generative AI platform (Infosys Springboard) featuring LLM-orchestrated persona simulation, multi-agent architecture, and interactive web interfaces — integrating AI systems into scalable full-stack applications. Experienced in troubleshooting, testing, and optimizing application performance, and collaborating with cross-functional teams in Agile environments to deliver high-quality solutions. Eager to work on real-time client projects for Genpact and Instamart at Aeropelican Technologies.

EDUCATION

Chandigarh University <i>B.E., Computer Science and Engineering (AI & ML), in association with IBM — CGPA: 7.91/10</i>	Mohali, India 2021 – 2025
Vishlesan i-Hub, IIT Patna (Masai School) <i>Advanced Certification in Artificial Intelligence and Machine Learning</i>	Online Dec 2025 – Sep 2026

TECHNICAL SKILLS

Frontend: HTML, CSS, Tailwind CSS, JavaScript (ES6+) — responsive and scalable web application development
Backend & APIs: Python, FastAPI (Python web framework), REST APIs, MySQL (SQL & database basics), Redis, Docker
AI & GenAI: Generative AI, LLM Orchestration, Multi-Agent Architecture, Persona Simulation, NLP, RAG
Tools: Git, GitHub, Streamlit, Render, Docker — version control, deployment, and cloud hosting
Concepts: OOP, DSA, Database Design, Debugging & Testing, Agile/Scrum, Cross-functional Collaboration

EXPERIENCE

AI Engineer Intern — Infosys Springboard - Designing and developing a Generative AI platform (Synthetic User Generation Platform) — building LLM-orchestrated persona simulation agents with multi-turn memory, Survey and Interview interaction modes, and an Insight Extraction Agent that surfaces themes, sentiment patterns, and behavioral trends from AI-generated responses. - Integrating AI systems into a full-stack web application: backend API endpoints, interactive frontend dashboard, PDF report generation, and multi-agent workflow coordination — applying software engineering best practices within an Infosys mentorship environment.	May 2026 – Present
Software Developer Intern — Pythus Info - Developed Python backend APIs and data workflows; integrated server-side logic with HTML/CSS/JavaScript frontend elements, managed SQL database queries, and used Git for version control — collaborating with senior developers and business teams in Agile sprints. - Debugged and optimized backend application performance through systematic root-cause analysis; participated in code reviews and sprint deliveries to maintain codebase quality and ensure reliable, production-ready solutions on schedule.	Jan 2025 – Jul 2025

PROJECTS

Synthetic User Generation Platform — GenAI Web App (Infosys Springboard) <i>Python, FastAPI, Generative AI, LLM Orchestration, Multi-Agent Architecture, HTML/CSS/JS</i> - Built a scalable web application enabling product teams to generate synthetic user personas via LLM-powered agents, run Survey Mode (simultaneous multi-persona responses) and Interview Mode (conversational persona with memory), and export structured research reports as PDF — integrating AI backend with an interactive frontend dashboard. - Architected a multi-agent system (Persona Generation Agent, Insight Extraction Agent, Report Generation Module) with consistent persona memory across conversation turns, demonstrating full-stack AI integration: frontend interfaces, REST API backend, and agent orchestration.	2026
Support-RAG — Full-Stack Web Application with REST API Backend <i>Python, FastAPI, REST APIs, HTML/CSS/JS, MySQL, Docker — Code Live Demo</i> - Designed and deployed a responsive, scalable web application — FastAPI REST backend integrated with HTML/CSS/JavaScript frontend, MySQL database, and Docker containerization; validated with 35 unit and integration tests serving live production traffic on Render. - Implemented end-to-end frontend-to-backend integration: REST API endpoints consumed by frontend components, SQL schema for structured data storage, caching for performance optimization, and Git version control — demonstrating the full-stack delivery workflow required in this role.	2026

PUBLICATIONS

A Reliable V2V Communication: An Autonomous Perspective <i>IEEE Xplore; ICAC3N — analytical problem-solving and systems design applied to autonomous communication architectures.</i>	Feb 2023
Off-Road Terrain Identification and Analysis <i>Journal of Electrical Systems — Python and deep learning (YOLOv8) for terrain classification; published research demonstrating clean, documented code.</i>	Dec 2023

ADDITIONAL

Certifications: NxtWave — Static Websites; Responsive Websites; Introduction to Databases
Academics: Class XII — 88.6% (Telangana State Board); Class X — 10.0 GPA
Interests: Full-Stack Web Development, AI-Integrated Applications, REST API Design, Frontend & Backend Engineering, Agile Delivery