

PRIYANKA V

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Profile Summary

Computer Science student focused on backend and full-stack development, experienced in building scalable applications using modern frameworks and cloud-native technologies.

Education

Sri Sairam Engineering College

Bachelor of Engineering (B.E.) in Computer Science and Engineering — GPA: 8.71/9.0

Sep 2023 – June 2027

Chennai, Tamil Nadu

Chinmaya Vidyalaya Senior Secondary School

Higher Secondary Education (CBSE) — Percentage: 95

June 2009 – March 2023

Chennai, Tamil Nadu

Technical Skills

Programming Languages: Python, C, Java, JavaScript

Web Development: HTML, CSS, JavaScript, React, Next.js, Node.js, FastAPI

DevOps & Cloud Tools: Docker, Kubernetes, GitHub Actions, Render, Netlify

Developer Tools & Databases: Git, Postman API, VS Code, Google Colab, MongoDB, MySQL, PostgreSQL, Firebase

UI/UX Design: Prototyping, Wireframing, User-Centered Design Principles

Soft Skills: Leadership, Communication, Teamwork, Problem Solving

Experience

Sri Sairam Engineering College – Incubation Centre

Aug 2025 – Sep 2025

Web Development Intern

Chennai, Tamil Nadu

- Built backend modules for student management, mentor actions, certificates, and attendance using FastAPI.
- Designed PostgreSQL schema and deployed services on AWS with Kubernetes for scalable orchestration.
- Automated CI/CD pipelines using GitHub Actions to streamline deployments.

InternPe

Feb 2025

Web Development Intern

Chennai, Tamil Nadu

- Built web applications (calculator, to-do list, e-commerce) using React and core web technologies, focusing on UI/UX and accessibility.

Projects

AI & IoT Storm Overflow Prediction

- Developing a real-time stormwater monitoring system using ultrasonic and flow sensors to predict overflow risks in drainage networks.
- Implemented LSTM and XGBoost models with cloud pipelines for forecasting and geospatial visualization using QGIS.

Incubation Management System – Backend

- Designed and implemented FastAPI REST modules for student onboarding, mentor workflows, certificates, and attendance tracking.
- Engineered PostgreSQL schema, deployed on AWS with Kubernetes, and integrated CI/CD via GitHub Actions.

Eye-Care Beneficiary Management System

- Built an MVP to manage beneficiaries, donor coordination, inventory alerts, and program analytics for an eye-care nonprofit.
- Implemented an AI-powered chatbot for quick beneficiary lookup, data access, and automated report generation.

AI-Driven Security Automation for Microservices

- Engineered an AI-assisted security analyzer integrating LLMs and scanners (Trivy, KubeLint) to detect microservice and Kubernetes vulnerabilities.
- Automated SBOM generation, prioritized remediation insights, and CI/CD security checks.

Achievements

- JPMorgan Chase Code for Good Hackathon Winner** — selected from over 50,000 applicants in a 24-hour hackathon conducted to solve real-life challenges faced by NGOs.