

Sai Shruti Pandey

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EDUCATION

Bachelor of Computer Science & Engineering

Oct 2022 - Jun 2026

VIT Bhopal University

CGPA: 8.26 on a 10.00 scale

Class XII (CBSE), Somerville School Noida, Grade: 94%,

May 2022

Class X (CBSE), Somerville School Noida Grade: 98.6%

May 2020

TECHNICAL SKILLS

Languages: Java, C, C++, Python, JavaScript (ES6+)

Frameworks/Stacks: HTML, CSS, React.js, Next.js, Node.js, Express.js, RESTful APIs, Tailwind CSS

Databases: MySQL, MongoDB, Cassandra

AI/ML: scikit-learn, pandas, OpenCV

Tools/Platforms: Linux, Git, Github, Amazon Q (GenAI Developer Tool)

Cloud: Google Cloud Platform

INTERNSHIP

Ericsson India, Gurugram

Jun 2024 - Aug 2024

Business Unit Cloud and Software Services (BCSS CNS CSE)

- Engineered a scalable serverless ML pipeline (Vertex AI + AutoML) for facial-recognition attendance, automating records and improving efficiency by 6–8 hours/week.
- Deployed the trained model as a Vertex AI endpoint with high availability ($\geq 99.5\%$ uptime as per GCP SLA), supporting real-time predictions with monitored latency and throughput.
- Conducted comprehensive model evaluation (92% precision, 90% recall, F1-score 91%) and leveraged insights to optimize real-time deployment.

UNIVERSITY PROJECTS

ZeroDayBot - CVE Intelligence Chatbot

May 2025

- Developed a CVE Intelligence Bot that integrates NVD API + LLMs to fetch and analyse vulnerability details, providing severity classification and mitigation Q&A.
- Implemented a conversational interface for security researchers to query vulnerabilities by CVE ID and receive natural-language explanations and remediation strategies.

Kheti Buddy - AI-Powered Crop Recommendation

Nov 2024

- Collaborated on an AI-powered crop recommendation system using Random Forest and ANN, improving yield by 18% and reducing input waste by 25%.
- Built a multi-platform app (Python, Flask, React) offering offline, personalized insights for precision agriculture.
- Integrated ML models, REST APIs, and data workflows for predictive analytics.

Unilodge - Hostel Service Management System

Aug 2023

- Engineered a secure, role-based web application using HTML, CSS, JavaScript, and Node.js to streamline hostel operations.
- Automated maintenance request workflows and digitalized feedback collection, improving operational efficiency across 50+ rooms.

CERTIFICATIONS

Cloud Computing (NPTEL–Swayam) — Top 5% of Performers

C Programming for Beginners – Master the C Language (Udemy)

Machine Learning with Python - IBM

MERN Stack Web Development - Ethnus

UNIVERSITY ACTIVITIES

iOS Club, Co-Lead, Design Team

Jan 2023 - Oct 2023

Created and curated visual assets for 5+ technical events, enhancing branding consistency and audience reach.

- Planned and executed technical workshops and promotional campaigns, driving member engagement, coding proficiency, and participation in club events.

HOBBIES

Indian Classical Vocalist

Third Year Diploma in Hindustani Classical Music - Prayag Sangeet Samiti, Prayagraj