

# Sai Shruti Pandey

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## EDUCATION

### Vit Bhopal University

Bachelor of Computer Science & Engineering  
CGPA: 8.26 on a scale of 10.00

Bhopal, MP  
Oct 2022 – Jun 2026

### Somerville School Noida

Class XII (CBSE) Grade: 94%  
Class X (CBSE) Grade: 98.6%

Noida, UP  
Apr 2022  
Apr 2020

## TECHNICAL SKILLS

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

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

**Databases:** MySQL, MongoDB, Cassandra

**AI/ML:** numpy, scikit-learn, pandas, OpenCV

**Cloud & Tools:** Google Cloud Platform, Linux, Git, GitHub

## PROJECTS

### ZeroDayBot - CVE Intelligence Chatbot

Nov 2024

- Developed a CVE Intelligence Bot that integrates NVD API + LLMs to fetch and analyse vulnerability details, providing severity classification and mitigation Q&A.
- Constructed a natural language interface that allowed team to process and explain 3,00,000+unique CVE IDs, providing clear explanations and remediation strategies.

### Kheti Buddy – AI-Powered Crop Recommendation System

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.

### Snipr - URL Shortener Web App

Sept 2024

- Engineered a full-stack URL shortener using React + Vite, TailwindCSS, Node.js, Express, and Supabase for creating and managing short links.
- Designed and integrated REST APIs for link shortening and redirection and designed a responsive UI to enhance usability across devices.

## INTERNSHIP

### Ericsson India

BCSS CNS CSE MLOps Archi. & Dev

Gurugram, Haryana  
Jun 2024 - Aug 2024

- 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.

## ACTIVITIES

### iOS Club, VIT Bhopal

Co-Lead, Design Team

Bhopal, MP  
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.

## EXTRA CURRICULAR ACTIVITIES

**Certifications:** C Programming for Beginners – Master the C Language (Udemy); Machine Learning with Python (IBM); MERN Stack Web Development (Ethnus); Cloud Computing (NPTEL–Swayam) — Top 5% of Performers

**Extra-Curricular Activities:** Third Year Diploma in Hindustani Classical Music - Prayag Sangeet Samiti, Prayagraj