

SAI SHRUTI PANDEY

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Computer Science & Engineering
CGPA: 8.11 on a 10.00 scale

Bhopal, MP

Oct 2022 - Oct 2026

SOMERVILLE SCHOOL NOIDA

High School (CBSE Board) in Science and Mathematics
Grade: 94%

Noida, UP

Apr 2008 - Apr 2022

WORK EXPERIENCE

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.

UNIVERSITY PROJECTS

VANISHLY - AI BACKGROUND REMOVAL WEB APP

Apr 2025 - May 2025

- Developed a full-stack SaaS platform using MERN stack and ClipDrop API to automate real-time background removal.
- Designed a responsive React.js frontend with Tailwind CSS and architected scalable backend services in Node.js/Express.

KHETI BUDDY

Nov 2024 - Mar 2025

- 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, Kotlin, 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 - Oct 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.

TECHNICAL SKILLS

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

Frameworks/Stacks: React.js, Next.js, Node.js, Express.js, MongoDB, Tailwind CSS

Other: MySQL, REST API, Google Cloud Platform, scikit-learn, pandas, OpenCV

Concepts: Object-oriented programming, design patterns, scalable system design, data structures & algorithms

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.

ADDITIONAL

Certifications & Training: C Programming For Beginners – Master the C Language (Udemy); Machine Learning with Python (IBM); MERN Stack Web Development (Ethnus); Cyber Security (IBM Adroit)

Languages Known: English, Hindi

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