Prabhav Srivastava

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EDUCATION

VIT Vellore
Vellore, India
B.Tech in Information Technology; CGPA: 8.23
Aug 2022 – May 2026

Sheiling House School
Kanpur, India
XII (ISC); Percentage: 95.25%
Jul 2022

Sheiling House School
Kanpur, India
X (ICSE); Percentage: 96.80%
Jul 2020

SKILLS SUMMARY

- Programming Languages: Java , JavaScript , TypeScript , Python
- Frameworks/Libraries: React.js , Express.js , Mongoose , Numpy , Pandas , Schikit Learn
- Tools & Platforms: Git , GitHub , Postman
- Data Management Tools: MySQL , MongoDB
- Coursework: Object-Oriented Programming , Data Structures and Algorithms , Cloud Computing , Software Engineering , Machine Learning , Computer Networks , Operating Systems , Database Management Systems

WORK EXPERIENCE

Hindustan Aeronautics Limited (HAL TAD)
India
Full Stack Software Engineer Intern
Jun 2025 – Jun 2025

- Developed a user-friendly web frontend for a legacy ERP module, integrating three backend modules and MySQL database; improved data accessibility and received commendation from senior management

PROJECTS

Smart Recipe Generator
Live Website — GitHub Repository
Full-Stack Web Application

- Architected personalized recipe platform with Grok API, React , Node.js, and Express.js, delivering tailored meal plans to 50+ users
- Enhanced platform scalability by deploying backend on Render and frontend on Vercel, ensuring seamless performance under increasing user load and maintaining 99.9% uptime

AI-Powered Encrypted Network Traffic Analysis
Live Website — GitHub Repository
Machine Learning Model

- Designed an Artificial Intelligence - powered cybersecurity pipeline using Python, numpy, pandas and Scikit-learn, extracting 30+ key features from encrypted network traffic to enhance threat detection
- Trained model for traffic classification, enabling real-time detection of malicious activity and reducing manual analysis effort for security teams

CERTIFICATIONS

- AWS Cloud Practitioner — Amazon Web Services
- Supervised Machine Learning: Regression and Classification — DeepLearning.AI

POSITIONS OF RESPONSIBILITY

IEEE Professional Communication Society (IEEE PCS), VIT Vellore
India
Public Relations Head
Mar 2024 – Mar 2025

- Spearheaded outreach initiatives for the 'Connectron' hackathon, boosting attendance by 30% to over 390 participants through targeted social media campaigns enhancing event visibility, resulting in 25% increase in applications for future events
- Directed 'Connectron' hackathon with 500+ participants, facilitating three viable startup ideas in 48 hours

IEEE PCS, VIT Vellore
India
Core Committee Member
Apr 2023 – Mar 2024

- Coordinated major chapter events such as 'Student of the Year' and 'Tech Survival'; recognized for outstanding contribution and promoted to PR Head
- Engaged with the management team to learn agile methodologies, completed 15 assigned tasks

ACHIEVEMENTS

- Earned a Top 20 finalist position at Central Hack Yantra 2024
- Distinguished as one of the top 100 (0.01%) participants at the Techkriti Open School Championship 2020, IIT Kanpur
- Secured first place at the ASISC-UP Inter-UK Quiz in 2020, outperforming 35 competing teams and demonstrating superior quick recall and cross-disciplinary knowledge under intense pressure
- Attained 7th position statewide in the SilverZone Science Olympiad (2016), achieving a 99th percentile rank