Vedic Varma

in LinkedIn | 🌐 vedicvarma.com | ⓞ GitHub | </> CodeChef

Education

Manipal University Jaipur, B.Tech in Computer Science — 2022 – 2026
CGPA: 8.82 (9.55 Highest)
IISC Bangalore, Computer Science and Automation — 2025
Summer School on Approximation Algorithms
Sanskriti School, New Delhi – PCM + Computing in Python — 2022
Score: 84%

Work Experience

Systems Engineer & Backend Developer, ASR Aviations – Jaipur — March 2025 – Current
- Created a mailing system using **POP3** and **SMTP** with the custom domain **@asraviation.com**.
- Set up a reverse proxy and SSL authentication using **Nginx** on **Ubuntu**, hosted on **KVM-2** in Hostinger.

Backend & DevOps Engineer, Software Development Center – Jaipur — Aug 2024 – Current
- Developed a full-stack Wall-of-Fame portal with **Next.js** (frontend & backend) and **MongoDB**, hosted on Vercel.

Research Intern, DRDO, GTRE, Advanced Software Engineering Lab – Bangalore — May 2024 – July 2024
- Conducted research and optimized software for advanced gas turbine engine technologies
- Engineered an optimized square root algorithm, slated for publication as a research paper

Full Stack Development Engineer, Skello – New Delhi — May 2023 – July 2023
- Developed a backend solution and a generative AI wrapper to streamline administrative tasks

Projects

Dell Hackathon: Smart Navigator | React-Native — Oct 2023 – Jan 2024
- Led the frontend development for the Smart Navigator project in the Dell Hackathon
- Won First Place among 20 teams in the 3-month hackathon. Check out the project on LinkedIn

Health Dome | Python-Flask, React, Docker, IoT — July 2024 – Oct 2024
- Participated in Smart India Hackathon 2024, from 250 regional teams, ours was among the top 3.
- Led backend, DevOps, and IoT development to streamline outpatient department processes. See the post here
- Ideated an innovative, patent-pending queuing model for efficient hospital bed assignment

Discord Bot: Stella | Python, Discord.py — Oct 2021 – Present
- Created and maintained a Discord bot (Stella) for international use with payment integration

Pathfinding Visualizer | Python, matplotlib — May 2024 – June 2024
- Designed a pathfinding visualizer to support research in machine learning-based algorithms. Check it out here

Achievements

- GATE CS '25 - IITR **AIR 1,852** - Top 1% — 2025
- Topper Certificate: Design and Analysis of Algorithms - IITM Top 2% — 2024
- Secured 1st place in the on-campus Dell Hackathon — 2024
- Recognized on the Dean's List with the highest GPA in the 2nd & 5th semester — 2023 & 2024
- Achieved 67th rank in the International English Olympiad — 2019
- Runner Up in TCS IT Whiz, winner of Tablet and Trophy — 2017

Skills & Technologies

Programming Languages & Frameworks: Python - Tkinter, Matplotlib, C - OS, JavaScript - Backend & Frontend, Bash, Java
Tools & Libraries: Flask, React, React Native, Win32API, Git, Linux, Docker, SQL, Data Modelling
Interests: Data Science, Data Structures & Algorithms, SOLID Principles, DevOps, Generative AI, Applications Programming

Positions of Responsibility

Head of Finance, Randomize, CSE Club of MUJ — 2022 – 2024
- Managed financial planning and budget oversight for various events, ensuring transparent financial reports for club operations.

Certifications

- Gate Qualified in Computer Science - IIT Roorkee
- IBM Data Science Professional Certificate
- Google Cloud Computing Foundations
- Design And Analysis of Algorithms - IITM, TOP 2%
- Full Stack Development - Geeks for Geeks
- Data Analysis with MATLAB - Vanderbilt