

BAIBHAV SUREKA

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Education

Vellore Institute of Technology (VIT)

Sept 2022 – May 2026

Bachelor of Technology in **Computer Science and Engineering (IoT)**

Vellore, Tamil Nadu

- **CGPA:** 9.05 / 10.0
- **Relevant Coursework:** Data Structures and Algorithms (C++), Operating Systems, Database Management Systems (SQL), Object-Oriented Programming, Computer Networks, System Design.

Technical Skills

Languages: Java, C/C++, Python, JavaScript, HTML, CSS, SQL

Frameworks: React.js, TypeScript, Tailwind CSS, Node.js, Express.js, MongoDB, Pinecone, Flask, FAISS

Data Structures: Trees, Graphs, Dynamic Programming

Developer Tools: Git, GitHub, VS Code, PyCharm, Google Colab, Postman

Concepts: Object-Oriented Programming, Machine Learning, Agile Methodology, RESTful APIs, Cloud Computing

CP Profiles: [LeetCode](#) (Max: 1700), [Codeforces](#) (Max: 1111), [CodeChef](#) (Max: 1612)

Experience

Aamby Valley City Limited

Jun 2024 – Jul 2024

Software Developer Intern

Pune, Maharashtra

- Enhanced the **Aamby Valley website** using **React.js**, improving the site responsiveness.
- Implemented a **Purchase Order Management Software** that streamlined data handling and improved system efficiency by **15%**.
- Utilized strong collaboration skills to optimize backend processes with cross-functional teams, reducing **issue resolution time**.

Projects

CryptoSage AI | *Next.js, TypeScript, Django, LSTM, MetaMask* | [Github](#) | [Live](#)

Jan 2025 – Feb 2025

- Developed an **AI-driven financial portfolio management system** integrating **blockchain** for **automated trading** and portfolio optimization.
- Utilized **LSTM** for accurate market predictions and integrated **MetaMask** for secure wallet connections and decentralized asset management.
- Enabled real-time predictions and **personalized investment recommendations**, improving user decision-making and optimizing portfolios.

Robowars(RoboVITics Club Event) | *React.js, Supabase, Node.js* | [Github](#) | [Live](#)

Jul 2024 – Sept 2024

- Designed and implemented an interactive platform for **Robowars event**, achieving **real-time match tracking and live scoring** with zero downtime during peak traffic.
- Created **backend services** that handled **high traffic loads**, improving engagement by **20%** during live events.
- Enhanced **mobile responsiveness** and optimized load times, increasing user engagement.

Legally(AI-powered Legal Advisor) | *Next.js, FAISS, Pinecone* | [Github](#) | [Live](#)

Mar 2024 – Apr 2024

- Engineered an **AI-powered legal advisory platform** that **simplified Indian legal processes**, reducing user query resolution time upto **40%** through **machine learning** and NLP.
- Integrated **FAISS** for advanced data indexing, improving query response accuracy by **30%**.
- Awarded **Top 10 position** at **DEVSOC 2024 Hackathon** for delivering innovative AI-based solutions.

Achievements

- Solved 500+ problems on **LeetCode**, **Codeforces**, and **CodeChef**. [Link](#)
- Secured Rank **1,837** among **40,000 participants** in LeetCode Weekly Contest 409.
- Achieved **7th Position** out of **300+ teams** at DEVSOC 2024 Hackathon.
- Completed **Hacktoberfest 2023**, with Tree Nation planting a tree in Tanzania under my name as a reward. [Link](#)

Positions of Responsibility

Robotics Club, VIT

Mar 2023 – Present

Web Development Mentor

Vellore, India

- Led mentorship programs for over **30 junior students** in new web technologies.
- Spearheaded the organization of **RoboWars**, VIT's largest tech event, attracting over **500 participants**.

Anti-Drug Club, VIT

Dec 2024 – Present

Zonal Technical Member

Vellore, India

- Facilitated **anti-drug awareness campaigns**, educating local communities. Managed **technical aspects** of events.