

VASU SINGLA

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Education

Indian Institute of Information Technology, Allahabad

2022 - 2026

B.Tech in Electronics and Communication Engineering CGPA: 8.14

Work Experience

Wemofy Solutions

Jun 2024 – Aug 2024

Frontend intern

Remote

- Developed and optimized user interfaces, ensured responsive design, and integrated frontend components with backend services.
- Integrated frontend components with backend APIs and deployed **MERN** projects using **CI/CD pipelines** with GitHub Actions for seamless data communication, automated testing, and deployment.

Projects

BloodBridge - Blood Donor Management System

[GitHub](#)

- **Tech Stack:** MERN Stack (MongoDB, Express.js, React.js, Node.js).
- **Comprehensive Solution:** Designed a full-stack web application to facilitate interactions between donors, hospitals, and organizations.
- **Database Management:** Utilized MongoDB with Mongoose for efficient schema design and data handling.
- **API Development:** Implemented RESTful APIs in Express.js to ensure seamless data communication.

ChatBuddy - Real-Time Chat Application

[GitHub](#)

- **Tech Stack:** Node.js, Express.js, MongoDB, React.js, Socket.io.
- **Instant Messaging:** Developed a real-time chat application with Socket.io for seamless communication.
- **Chat Room Private Messaging:** Enabled group chat rooms and one-on-one messaging features.
- **Real-Time Synchronization:** Ensured smooth and instant updates across all connected clients.

Achievements

- Expert on **CodeForces** (Max Rating: 1653)
- Global Rank 556, 613, 949, 953, 956 in Round 860, 856, 870, 147, 853 of Codeforces.
- 4 Stars on **CodeChef** (Max Rating: 1881)
- Global Rank 22, 156, 439, 514 in Starters 92, 98, 93, 97 of Codechef.
- Knight on **LeetCode** (Max Rating: 1923), ranked in the Top 6.5% globally.
- Achieved an **All India Rank of 6805** in **JEE Mains 2022** among over 1,000,000 applicants and an **All India Rank of 7156** in **JEE Advanced 2022**, among over 120,000 candidates.
- Solved around **1000+** problems on coding platforms like **GFG**, **CodeChef**, **Codeforces**, **Leetcode**, **InterviewBit**.
- Achieved a rank of **25** in the **Amazon ML Challenge**, competing among top machine learning enthusiasts nationwide.

Position of Responsibility

Google Developer Student Club (GDSC)

Senior Member, Web Development Wing

Inter IIIT'24 Sports Fest

Executive

Effervescence '22, APK '22, Asmita '22

Volunteer

Gravity - Technical Society, IIIT Allahabad

Senior Member, Private AI

Effervescence '23, APK '23

Executive

Out Of Context'24 and SheHacks'23

Organizer

Technical Skills

Languages: Python, Java, C++, JavaScript
FrameWorks: TensorFlow, PyTorch, Spring Boot
Backend: Node.js, Next.js, Express.js
Frontend: React, TailwindCSS, HTML, CSS

Subjects: OS, OOPS, DBMS, CN
Libraries: NumPy, Panda, Scikit-learn, OpenCV
Clouds & Databases: MySQL, MongoDB
Developer Tools: Postman, VS Code, GitHub, Xcode