

AYUSH SAHAY

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EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science and Engineering - Core

Amravathi, Andhra Pradesh, India

08 2021 - 08 2025

WORK EXPERIENCE

Software Engineering Intern

IAMNEO AI, Telangana, India

10 2024 - 12 2024

- Developed a comprehensive full-stack finance management and accounting web application. The front-end of the application was built using the Angular framework, while the back-end was implemented with Springboot Java.
- Integrated Apache Kafka for efficiently handling the large streams of data making project scalable and redundant.
- Managed over 500,000+ RESTful API requests and ensured smooth transitions in an API-first environment using WebSockets for real-time communications.

PROJECTS

- **Podcaster - AI SAAS Webapp** [GitHub](#) — [Live](#)
 - **Focus:** Developed a podcast platform enabling users to explore and generate AI-driven podcasts.
 - **Implementation:** Utilized OPEN-API text-to-speech and text-to-image models with a custom NextJS interface for seamless user experience.
 - **Learnings:** Enhanced skills in API(open-api) integration and responsive design to optimize real-time content streaming.
- **D E-commerce - Dapp** [GitHub](#) — [Live](#)
 - **Focus:** Created a decentralized e-commerce platform supporting peer-to-peer transactions.
 - **Implementation:** Leveraged web3-JS and smart contracts to ensure secure, transparent transactions through Metamask.
 - **Learnings:** Gained insights into blockchain fundamentals, Cranq framework, and decentralized application structures.
- **Boom Video - Zoom Clone** [GitHub](#) — [Live](#)
 - **Focus:** Built a video-conferencing application with real-time video, audio, and chat functionality.
 - **Implementation:** Integrated WebRTC and STREAM api to handle peer-to-peer connections and live data exchange.
 - **Learnings:** Developed strong skills in real-time communication protocols and responsive UI/UX for video applications.
- **Openpose - AI&ML Algorithm** [GitHub](#)
 - **Focus:** Developing a web app utilizing OpenCV and dlib for real-time attendee detection, achieving 90% accuracy.
 - **Implementation:** Utilized Python, dlib and OpenCV with machine learning algorithms to analyze pose estimation data.
 - **Learnings:** Strengthened understanding of computer vision, machine learning, and model optimization for real-time applications.

TECHNICAL SKILLS

Programming Languages: Java, C + +, Python, Javascript, Typescript

Frameworks & Libraries: React, Next.js, Node.js, Angular.js, Express.js, Django, Spring Boot, D3.js, OpenCV

Tools: Kubernetes, Git, Docker, GitHub, AWS, GCP, Azure, WordPress, CI/CD pipeline, Oracle, MongoDB

Databases: MongoDB, Redis, Apache, PostgreSQL, Oracle Database, Microsoft SQL Server

CERTIFICATIONS

- MERN Full-Stack Certified by Ethnus [Link](#)
- Java Full-Stack Certified by IAMNEO [Link](#)
- Python Certified by IIT-M Research Park GUVI [Link](#)
- Foundation of Cybersecurity Certified Google [Link](#)
- Google Cloud Practitioner(80%) Certified by Google Cloud [Link](#)

LEADERSHIP & EXTRACURRICULAR

- **Finalist** at Smart India Hackathon - Developed *TransparentTrials*, an automation tool for Civil and High Court processes in India.
- **Core Member** of Computer Science Club - Led a team of 25 in national hackathons and workshops.
- **Recognized** at HackAP and Vignan Nerula Hackathons - Built interactive apps using Google Console and the MERN stack.