

Ayush Sahay

Software Development Engineer, Patna, Bihar

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EDUCATION

- Vellore Institute of Technology - AP** Amravathi, India
Bachelor of Technology - Computer Science and Engineering; GPA: 8.43 July 2021 - June 2025
Coursework: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Network Programming, DBMS, Cloud Computing, DBA, etc.

SKILLS SUMMARY

- Programming:** C++, Java, Python, JavaScript, TypeScript
- Libraries & Frameworks:** NodeJS, React, MongoDB, Django, Flask, ExpressJs, AngularJs, Vite, MySQL, Git, GitHub, Spring Boot, Ruby, Docker, OpenCv, Kubernetes, D3-Js.
- Critical Skills:** Logic Design, Problem Solving, Vedic Maths, Software Architecture, Database Administration, Project Management, Risk Management, Code Optimisation, Robust development using the Software Development Life Cycle (SDLC).
- Platforms:** Linux, Windows, Arduino, Raspberry, AWS, GCP, Android Studio, Leetcode(200+) and Hackerrank.
- Soft & Communication Skills:** Leadership, Event Management, Team Work, Creativity, Emotional intelligence, Reading and Analysing data, German(beginner), English and Hindi.

EXPERIENCE

- Project Intern - IAMNEO** Remote
Student Developer Oct 2023 - Dec 2023
 - Optimized or Enhanced the forum to improve performance by 90% and enable it to handle large databases.
 - Managed or Administered the RESTful API to ensure a smooth state transition. The Symphony & Twig-based Forum parts were converted to an API-first interface. Web-Sockets used for duplex communication.

PROJECTS

- FAN-FARE (Web-Application) - VIT-AP University:**
 - Developed an E-Commerce web application named FanFare for sports enthusiasts, fans, and sponsors. It facilitates online ticket bookings, food ordering, and stadium seat maps.
 - Built using React and NodeJs, with the database deployed on a local MongoDB server. Implemented all CRUD operational features.
 - Integrated Google Maps React for mapping services and directional information, and used Stripe as the payment partner.
- Podcast Web-App - Leverage AI to effortlessly generate engaging podcasts:**
 - Created an innovative AI SaaS platform that empowers users to create, discover, and enjoy podcasts. Features include text-to-audio conversion using multi-voice AI, podcast thumbnail image generation, and seamless playback.
 - Engineered or Developed NextJs and TypeScript for development. Implemented Convex as the open-source backend and database handler. Harnessed Open AI for text and image generation. And used Clerk for user authentication. Additionally, I used ShadCn and Tailwind CSS for UI components and styling.
- Boom Video:**
 - Developed Boom Video, a cloud-based video conferencing platform that allows users to connect online for meetings, webinars, and live chat using video, audio, phone, and chat
 - Built the web-only platform using NextJs and Tailwind CSS for the front end, Stream API for video conferencing features, and Clerk Provider for authentication.

LEADERSHIP / EXTRACURRICULAR

- College Level Finalist in Smart India Hackathon:** Built TransparentTrails.com
- Appreciation Certificate:** Received from the MLC VIT-AP - May 2023
- Finalist:** Vignan Nerula Tech hackathon

CERTIFICATES AND ACHIEVEMENTS

- MERN Full Stack Certified (92%)** *Ethnus Codemithra*
- JAVA Full Stack Developer Certified (70%)** *IAM-NEO*
- Data Science and Advanced Analytics Certification by** *VITAP*
- Google Cloud Practitioner Program:** Google Cloud Skills Boost - 80%
- GUVI IIT-M Research Park Python Certificate by** *Indian Institute of Technology, Madras*
- Forge Virtual Software Engineering Program by** *Goldman Sachs*