

Anushka Singh

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Education

Bachelor of Technology in Computer Science Engineering, Vellore Institute of Technology CGPA: 9.03 | Aug '21-Jun '25
Courses: Object Oriented Programming, Data Structures, Algorithms, Cloud Computing, Operating Systems, DBMS, CN.

Skills

Programming Languages and Tools: Java, Python, TypeScript, GitHub, GitHub Actions.

Platforms, Frameworks and Libraries: Node.js, Express, React, Next.js, Hono, MongoDB, Prisma.

Experience

Software Engineer Intern | Gap Inc. Jan'25-Present

- Engineered a document intelligence platform using React, Next.js, TypeScript and Python that can integrate with various LLMs to enable unified search across workplace tools, reducing information retrieval time by 75%.
- Developed automation scripts using python and GitHub Actions workflows to eliminate manual tasks, enhance platform efficiency.
- Delivered leadership insights by creating Power BI reports for GitHub Copilot metrics and building Grafana dashboards for real-time monitoring of 100+ Jenkins pipeline health and performance.

Projects

PEER-TO-PEER TRANSIT PLATFORM Nov'24-Dec'24

- Developed a user-friendly ride-sharing platform using React.js and Tailwind that lets riders book trips and drivers manage requests, featuring a clean React interface with real-time updates and secure authentication, all powered by Google Maps integration.
- Implemented secure RESTful APIs for user, captain, and maps functionalities using Node.js and Express.js, with JWT authentication, token blacklisting, and Zod validation for secure access and data integrity.
- Integrated Google Maps API for geocoding and real-time ride status updates and notifications using WebSockets, enabling accurate and timely communication between users and captains.

SMART FARMING DECISION SUPPORT SYSTEM: CONSCIOUS HARVEST Aug'24-Oct'24

- Crafted a comprehensive farmer-friendly interface using Python Flask, HTML, CSS, and Jupyter Notebook, simplifying real-time access to agricultural insights, and boosting productivity across all user operations.
- Leveraged machine learning algorithms to analyze extensive datasets on soil conditions and climate, significantly improving crop recommendation across a diverse range of 25+ crop varieties.
- Facilitated interactive data visualizations, achieving a 30% increase in user interaction rates on the web portal, and provided farmers with critical insights for better crop management decisions.

MEDRADAR Jun'24-Sep'24

- Engineered a responsive UI with React.js for hospital amenities, resolving slow searches with modular architecture increasing user retention rate by 20%.
- Implemented real-time visualizations for hospital specialties, pricing, and bed availability, accelerating emergency decision-making from 15 to 5 minutes on average.
- Orchestrated a series of collaborative coding sessions that established best practices in agile development; improved team velocity by 20% and facilitated the integration of critical features into the product roadmap with minimal delays.
- Collaborated with a cross-functional team to integrate front-end components with Node.js backend and MongoDB.

Achievements

Code for Good hackathon by JP Morgan Chase and Co. - EXPA CADET Program

- Selected from a competitive nationwide pool as one of 200 participants for J.P. Morgan Chase's prestigious Code for Good 2024 Hackathon.
- Delivered an assessment dashboard for an NGO using the MERN stack, with a strong focus on frontend and API integration.
- Collaborated in a cross-college team during a 24-hour offline hackathon, building a deployable solution with end-to-end development under mentorship from JPMC engineers.

Adobe Gensolve Hackathon

- Ranked among the top finalists in the Adobe Gensolve Hackathon 2024, competing against over students from more than 400 colleges across India.
- Constructed 'Curve Topia,' an innovative tool utilizing advanced image processing techniques for shape identification and curve regularization, enhancing precision in doodle completion tasks.

Certifications

- Google Cloud Practitioner.
- AWS Certified Cloud Practitioner.

Extracurricular And Activities

- PR and Outreach Lead, Ramanujan Mathematics and SAP club - Collaborated with a team to gather an audience of 200 for club events.
- Foosball player.