

Anushka Singh

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EDUCATION

B. Tech (Computer Science and Engineering)

Vellore Institute of Technology • Bhopal • August 2022 - Present • 8.58
Class XII

S.R Public School, CBSE • Kota, Rajasthan • July 2021 • 82.6%

Class X

St. Aloysius College, CBSE • Pilibhit, Uttar Pradesh • May 2019 • 90%

SKILLS

- **Languages:** Java, JavaScript, MySQL, Python
- **Web Technologies:** ReactJS Framework, HTML, CSS, NodeJS
- **Tools & Platforms:** DBMS, Git hub, NodeJS
- **Fluent in English, Hindi;**

EXPERIENCE

Internship

STARTUP MATRIC

JAN 2025 – MARCH 2025

- Working as a frontend developer, building a responsive interface with React.js, Tailwind CSS, and Material-UI, integrating APIs with Axios and Fetch API.
- Developing Login/Signup dashboards, messaging, and community pages while ensuring real-time updates, state management with Redux, and version control with Git/GitHub.

PROJECTS

Full Stack Web Development

HEALTHNEST – Healthcare Platform for College Students

October 2023 – March 2024

- Built and deployed HEALTHNEST, a modern healthcare management system hosted on Vercel, enabling college students to book affordable virtual medical consultations via a clean, trust-inspiring UI
- Designed and implemented role-based dashboards (patients, doctors, admins) with secure JWT authentication and MongoDB, reducing manual coordination by approximately 40%.
- Integrated real-time access to medical records and appointment scheduling, slashing booking time by 50% and increasing user engagement by 30%.
- Leveraged React.js, Express.js, and Node.js to support over 100 active users, ensuring seamless navigation and protected data compliance.
- Utilized Vercel's global CDN for fast, scalable content delivery and serverless functions for backend API routes, boosting site performance and uptime

Lung Cancer Prediction Site

AI/ML + Flask Application

September 2024 – November 2024

- Designed a responsive, interactive web interface using HTML, CSS, JavaScript, and Flask, reducing page load times by 45% and improving user retention by 25%.
- Integrated a custom neural network-based model to classify users into low, medium, or high-risk lung cancer categories with an accuracy of 87% on test data.
- Enabled secure data input and seamless workflow from form submission to result generation, leading to a 60% reduction in user drop-off during risk analysis.

CERTIFICATIONS

Full Stack Web Developers- Udemy, by Angela Yuu

Bits and Bytes - Bits and Bytes

NPTEL- Cloud Computing (elite)

Machine Learning A-Z- Udemy by Kirill Eremonko

EXTRACURRICULAR ACTIVITIES

- Currently developing a research paper on a lung cancer prediction model that integrates machine learning algorithms with 3D visualization to enhance prediction accuracy and user engagement.
- Served as Co-Lead of the PR and Outreach team at VITBMUN; secured multiple sponsorships and coordinated 6+ high-impact events attended by 200+ participants.
- Contributed as a Technical Member of the E-Cell team, building and managing event-related technical systems to improve registration, scheduling, and feedback workflows.
- Participated in various hackathons as a team lead, delivering functional prototypes under time constraints and collaborating on feature implementation and pitch presentations.
- Achieved 1st place in an essay competition during National Mathematics Week; recognized for clarity of argument and originality.
- Earned an NPTEL certification in Cloud Computing with a score of 69% (Elite), demonstrating working knowledge of virtualization, distributed systems, and deployment models.

HOBBIES & INTEREST

- Write essays, reports, and journals, combining creativity with structured expression.
- Participate in coding challenges and hackathons to explore new technologies and build practical solutions.
- Engage in public speaking through active involvement in Model United Nations (MUNs).
- Trained in choir singing and enjoy playing musical instruments as a form of creative expression.