Yash Tilwani

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Education

VIT Bhopal University   Oct 2022 - May 2026
Bachelor of Technology in Computer Science and Engineering (CGPA: 8.69/10)   *Bhopal, MP*

Macro Vision Academy   April 2021 - April 2022
Senior School Certificate Examination (C.B.S.E Class XII) - 79.6 percentage   *Burhanpur, M.P*

Macro Vision Academy   April 2019 - April 2020
Secondary School Examination (C.B.S.E Class X) - 88.6 percentage   *Burhanpur, M.P*

Technical Skills

Languages: C++, Python, Java, HTML, CSS/Tailwind CSS, JavaScript
Technologies: React.js, MongoDB, PostgreSQL, Node.js, Next.js, MySQL, Git, Salesforce, JWT, OAuth 2.0
Tools: TensorFlow, PyTorch, OpenCV, Google Colab, Figma, Docker, Kubernetes, Postman, Clerk
Concepts: Object-Oriented Programming (OOP), Data Structures and Algorithms, Cloud Computing, Database
Management Systems (DBMS), DevOps, Computer Networks, Operating Systems

Projects

IoT Weather System | *React.js, Tailwind CSS, JavaScript, Arduino, API Integration*   Aug 2023 - Oct 2023
- Responsive weather app with React, Tailwind CSS, and JavaScript, delivering accurate updates to 100+ users.
- Integrated high-precision sensors for key weather parameters, ensuring 99% data accuracy.
- Created a user-friendly dashboard, boosting engagement by 30%.
- Ensured 99.9% uptime with thorough testing and deployment across 5+ locations.

Carpool | *React.js, Python, Docker, MongoDB, Node.js*   Mar 2024 - May 2024
- Developed a carpool web app with React, Tailwind CSS, and JavaScript, reducing user ride-matching time by 40% through an optimized interface.
- Implemented Python server-side logic and integrated MongoDB to manage 25+ weekly carpool rides.
- Deployed with Docker, ensuring 99.5% uptime and enhancing user experience by 40%.

HouseHunt Property Rental | *React.js, Redux Toolkit, Node.js, Express, MongoDB, JWT*   April 2025 - May 2025
- A full-stack property rental platform (Airbnb-inspired) with user listing, browsing, and booking features.
- Built the frontend with React 18, Redux Toolkit, Material-UI, and React Router for responsive UI and navigation.
- Integrated drag & drop (React Beautiful DND) and date selection (React Date Range) for enhanced user interaction.
- Designed a secure backend using Node.js, Express, MongoDB, with JWT authentication, Multer file uploads, and CORS handling.

Certifications

- DevOps Fundamentals by IBM.
- Full Stack Developer MERN by SmartInternz.
- MongoDB Node.js Developer By MongoDB.
- Bits and Bytes of Computer Networking by Google (Coursera).
- Cloud Computing by Prof. Soumya Kanti Ghosh — IIT Kharagpur (NPTEL).
- Marketing Analytics by Prof. Swagato Chatterjee — IIT Kharagpur (NPTEL).

Extracurricular and Activities

Gujarati Club, VIT Bhopal | *Event Management*   Aug 2023 - Mar 2025
- Served as the Event Lead for the club's Garba Night 2024.
- Additionally, led club activities during Advitya'25, contributing to the fest's success.

Ramanujan Club, VIT Bhopal | *Member of Research Team*   Jan 2024 - Mar 2025
- Worked alongside a team to explore and analyze cutting-edge trends and technologies in the mathematics sector.
- Collaborated with a 10+ member team in the Ramanujan Club to research emerging math trends and present findings to faculty, ensuring timely completion of milestones.