Tushar Patel

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Education

Ajay Kumar Garg Engineering College   *Nov 2022 – July 2026*
Bachelor of Technology in Computer Science
- GPA: 7.8/10.0
- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory , Data Structure , Operating system , Database Design , System Design, Data Analytics

Experience

Team OSS   *June 2023 – Jan 2025*
Web Developer
- Partnered with a multidisciplinary team of developers and senior advisors to conceptualize and engineer scalable, high-performance web architectures, ensuring robustness and adaptability for future growth.
- Orchestrated the logistical planning and coordination of speaker schedules for technology-driven workshops, fostering seamless collaboration among a diverse group of over 200 participants. Additionally, facilitated immersive, hands-on experiences, optimizing engagement and skill development.

Projects

Job Portal   *careervista* ⬈
- Developed a streamlined job application feature, allowing users to search for jobs and submit applications efficiently.
- Created robust RESTful APIs to handle CRUD operations for user profiles, job listings, and applications, ensuring seamless integration between front-end and back-end.
- Tools Used: React, Node.js, express.js, MongoDB, TaiwindCSS , Scadcn-UI

Groundwater Level Prediction Platform   *github.com/GWLP* ⬈
- Developed a full-stack web application to predict groundwater levels using a trained machine learning model.
- Built an interactive user interface with React for data input and map visualization.
- Enabled real-time predictions and visualization to assist users in water resource planning.
- Tools Used: React,Node.js,Express.js,Machine Learning, Python

StreamBase : Multimedia platform   *github/Link* ⬈
- Designed and developed a scalable backend for a YouTube-like video streaming platform using Node.js, Express.js, and MongoDB.
- Implemented user authentication using JWT and bcrypt.js for secure access control.
- Tools Used: Node.js , express.js , mongoDB

Technologies

Languages: C++, C, Java, SQL, JavaScript , Python
Technologies/Framework: : TailwindCSS, ReactJS, Redux, NodeJS, ExpressJS ,MongoDB
Developer Tool: VS Code, Git, GitHub, Postman, Docker, Power BI

Achievements

Leetcode   *Leetcode/tusharpatelll* ⬈
- Enhanced algorithmic expertise by solving over 100+ problems on LeetCode, covering topics like binary trees, graph, sorting algorithms, and dynamic programming.

Hackathons: IIT Jodhpur Hackathon (2024)
- Collaborated in a team of 4 to solve Ed-tech problem.
- Developed a solution using React, Node.js, Express.js,Tailwindcss securing rank in Top 3.

Event Coordinator:
- Active Member, College Sports Club: Engaged in various athletic activities and events, contributing to the club's initiatives and fostering a spirit of teamwork and sportsmanship.