Jay Patel

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EDUCATION

Vellore Institute of Technology	**Aug 2021 – May 2025**
*Bachelor of Science in Computer Science	CGPA : 8.4/10*	*Bhopal, Madhya Pradesh*
Kameshwar Vidhyavihar	**May 2020 – June 2021**
*Higher Education [12th]	81.33%*	*Ahmedabad, Gujarat*
Saraswati Shishukunj	**June 2018 – April 2019**
*Secondary Education [10th]	88.33%*	*Borsad, Gujarat*

EXPERIENCE

Ascendion, Inc	**June 2024 – Sept 2024**
Software Engineer Intern	*Vadodara, Gujarat*

- Engineered and implemented web applications using the MERN stack, addressing real-world challenges
- Worked closely with a team of five to design, develop, and test new functionalities, actively participating in project planning and review sessions
- Performed research and analysis to support ongoing projects, offering valuable insights to improve project results

PROJECTS

Stock Market Analysis | *Python, Machine Learning, MEAN* GitHub **August 2024**

- Engineered the frontend interface of the MEAN stack website, incoporating over 10 components for a stock market analysis
- Integrated Python-based predictive models utilizing Pandas, Numpy and Scikit-Learn to analyze historical data from the Indian stock market, achieving 80% accuracy in forecasting stock prices
- Collaborated in a team of 4 to develop and integrate a Python-based stock market analysis model into a MEAN website project, leveraging MongoDB, Express.js, Angular.js and Node.js for seamless functionality

Carpooling System | *Java, Android Studio* GitHub **May 2024**

- Created a state of-the-art carpooling platform, cutting CO_2 emissions by 30% and boosting user adoption by 50%, offering a sustainable commuting solution for the comunity
- Led a project that reduced environmental pollution and optimized travel time, resulting in cost effective transportation solutions and significant savings for users

Online Voting System | *Javascript, MEAN* GitHub **October 2023**

- Developed a web platform using Node.js, Express.js, and Angular.js to securely manage registration, login, and voting for over 500 users in simulated elections
- Implemented administrative features with Node.js and Express.js to manage 10+ candidates dynamically and initiate election cycles, Ensured data integrity and security with MongoDB for storage, JWT for authentication, and regular security audits

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Typescript, Python
Databases: SQL, MongoDB
Frameworks: ReactJS, NextJS, NodeJS, Tailwind CSS
Developer Tools: VS Code, GIT, GitHub, AWS, Vercel

EXTRACURRICULAR

- Chess Co-Ordinator for the Sports Club, ensuring smooth operations and participation over a 2-year tenure
- Executive Member at Google Crowdsource overseeing venue setup, event planning and scheduling
- Achieved First Place in Football at the District level, competing against 50+ teams.

CERTIFICATIONS

- AWS Certified Cloud Practitioner, Amazon	May 2024
- Intro to SQL, Kaggle	Feb 2023
- Hacker Rank Python, Javascript Certifications	Dec 2022
- The Bits and Bytes of Computer Networking - GOOGLE	Nov 2022