

Zeel Patel

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Profile

Detail-oriented Computer Engineering graduate with a strong foundation in **web development**, **software engineering**, and **machine learning**. Skilled in **ReactJS**, **NodeJS**, **Python**, and **secure authentication**, with experience in building scalable, data-driven applications. Passionate about problem-solving and innovation, eager to contribute to dynamic development teams.

Skills

- **Programming Languages:** Python, JavaScript, C++, Java, PHP, HTML5/CSS3
- **Development Framework:** React.js, Node.js, Next.js, Express.js, Flask, RESTful APIs
- **Database:** SQLite, PostgreSQL, MongoDB, SQL
- **Tools & Platforms:** Git, GitHub Actions, Docker, AWS, Firebase
- **AI/ML & Data Science:** TensorFlow, PyTorch, Scikit-learn, Pandas, OpenCV, NLP, EDA, Matplotlib, Data Visualization
- **Analytics:** Tableau, Power BI, Google Analytics
- **Other:** SEO Optimization, Project Planning, Requirement Gathering

Education

UNIVERSITY OF GUELPH | M.E. in Computer Engineering | GPA -8.75 (Sep 2024 - Apr 2025)

Core Courses: AI, Computer networks, Reinforcement Learning, Machine Vision, IOT, Project Management.

Projects: Portfolio Optimization in Finance, Object Detection and Pose Estimation for Warehouse Pick-and-Place Automated Waste Classification.

CVM UNIVERSITY | B.E. in Computer Engineering | GPA- 8.75 (Jun 2020 - May 2024)

Core Courses: Software Engineering, DBMS, DSA, OOP, Advance JAVA, Python with Data Science

Projects: B2B Ecommerce Website with Chatbot integration, Advanced Employee Management System.

Experience

Web Developer | Brainbean Technolabs, India (Jun 2023 – Jun 2024)

- **Developed responsive web applications** for global clients using **React.js** and **PHP**, enhancing UI/UX functionality and improving **user engagement** by **20%**.
- Managed multiple websites implementing **CI/CD pipelines (GitHub Actions)** for automated deployment, **SEO best practices**, and performance enhancements, reducing website load times by **40%** through caching and code optimization.
- Assisted in **troubleshooting, debugging, and database optimization**.

ReactJS Developer Intern | Techelecon, India (May 2023 – Jun 2023)

- Developed a full-stack **Employee Management System** with **JWT authentication** and **RESTful APIs**, optimizing response time by 35% and ensuring secure CRUD operations.
- Deployed on **Firebase** for scalability and designed **modular ReactJS components**, following **SDLC best practices** for maintainability.

Technical Projects

Code Hustle | Competitive Programming Platform | React, Node.js, Docker, PostgreSQL (In Progress)

- Developed a full-stack coding platform with secure Docker environments for isolated code execution
- Engineered dynamic infrastructure with load balancing and resource scaling for high availability

FinSecure: AI-Powered Budgeting System | Python, Scikit-Learn, RESTful APIs (Sept 2024)

- Created real-time financial tracking system improving expense categorization accuracy by 40%
- Integrated AI forecasting for predictive expense insights, enabling better financial planning

Certifications

- Interactivity with JavaScript - University of Michigan (Aug 2022)
- Android app development – IIT Bombay (Dec 2022)
- Introduction to DevOps- IBM (Mar 2023)
- Responsive Web Design- freeCodeCamp (May 2023)

Volunteering & Leadership

- Training & Placement Coordinator, CVM University (2023)
- Event Organizer, IEEE & ISTE Chapters (2021 - 2024)
- Hackathon Coordinator & NSS Camp Volunteer