

Mitkumar Patel

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Summary

Software Developer with experience building and supporting scalable, database-driven applications for business stakeholders. Strong background in Python, SQL, and backend systems, with hands-on exposure across the full Software Development Life Cycle (SDLC), including design, development, testing, deployment, and post-deployment support. Proven ability to translate business requirements into reliable technical solutions while collaborating in Agile, cross-functional team environments.

Technical Skills

- Languages:** C, C++, Python, JavaScript, SQL, PHP, Java (basic)
- Databases:** MySQL, MongoDB, Firebase
- Backend:** Node.js, Express.js, REST APIs, Object-Oriented Programming (OOP)
- Frontend:** React.js, Redux, Angular, HTML5, CSS3, Tailwind CSS, Material UI
- Mobile:** React Native (Expo), Android (basic)
- Scripting:** Bash / Shell scripting (basic)
- CI/CD & Tools:** Git, GitHub, GitHub Actions, Postman, Jira (basic), Confluence (basic)
- Data & Analytics:** Pandas, Seaborn, Spark SQL, DataFrames
- Cloud:** Microsoft Azure (deployment and services)

Education

Master of Applied Computing (3.3/4.0) University of Windsor, Windsor, ON	Sep 2024 – Dec 2025
Bachelor of Engineering in Information Technology (8.62/10 CGPA) G H Patel College of Engineering and Technology, India	Jul 2020 – May 2024

Experience

Software Engineer JLR North America (University of Windsor)	Sep 2025 – Dec 2025
• Won the JLR–University of Windsor Hackathon, earning a 2-week paid internship for delivering a top-ranked solution.	
• Designed and optimized DRAM configurations using DRAMSys 5.0 to improve AI inference performance in automotive systems.	
• Analyzed memory latency and bandwidth bottlenecks affecting real-time AI workloads.	
• Collaborated with cross-functional engineering teams to analyze requirements, validate results, and deliver technical reports and performance visualizations.	
Software Developer Tech Elecon Pvt. Ltd. (Hybrid, India)	Dec 2023 – May 2024
• Built and maintained scalable full-stack web applications using React.js and Node.js to support internal business operations.	
• Translated business requirements into backend services and RESTful APIs backed by relational databases.	
• Troubleshoot application issues, optimized backend performance, and supported deployed features to ensure system reliability.	
• Participated in code reviews and followed Git-based workflows to improve code quality and maintainability.	
Software Developer Intern TatvaSoft (Remote, India)	May 2023 – Jun 2023
• Developed responsive single-page applications using React.js following Agile development practices.	
• Collaborated with backend teams to integrate REST APIs and validate application functionality.	
• Implemented state management using Redux and Context API to improve application stability and user experience.	

Projects

Cricket Coaching App (Mobile) – React Native, Azure Cloud	Jun 2023
• Built a mobile application enabling video annotation and real-time player-coach feedback.	
• Deployed backend services on Azure Cloud for authentication, media storage, and secure data handling in a production-like environment.	
• GitHub: Cricket-App	
Crime Data Analysis Platform – Python, Pandas, Seaborn	Mar 2023

- Developed a data analytics platform for Toronto crime data with filtering and geospatial heatmaps.

- Optimized data pipelines to efficiently process and visualize large datasets.

- GitHub: Crime-Prediction

E-Book Store – MERN Stack

Jun 2023

- Designed and developed a full-stack e-commerce application with authentication, cart management, and payment integration.

- Applied Redux for state management and MongoDB Atlas for scalable data persistence.

- GitHub: E-Book Store

Certifications

- Programming for Everybody (Getting Started with Python)

- Introduction to Spark SQL and DataFrames

- Introduction to the Internet of Things and Embedded Systems

- Introduction to Artificial Intelligence (AI)

- Data Science Fundamentals for Data Analysts