# Nimesh Patel

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## EDUCATION

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| **Masters in Computer Science**, University of Texas at Arlington | Aug 2023 - May 2025 |
| **Bachelor in Computer Engineering**, University of DBATU | Jun 2019 - Jun 2023 |

## SKILLS

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| **Backend:** | Python, JAVA, Kafka, Docker, Kubernetes, AWS, SQL, Postgres, NoSQL |
| **Cloud & DevOps:** | AWS Lamda, Git, Bash, Jenkins, ELK, Prometheus, Grafana, CI/CD, Linux |
| **Frontend:** | JavaScript, Typescript, ReactJS, HTML, CSS, Bootstrap |
| **Additional Tools:** | TensorFlow, NumPy, Pandas, Hadoop, Spring Boot, Restful APIs, Scikit-learn, PyTorch, OpenCV, Selenium, Postman |

## EXPERIENCE

**Software Engineer Intern**, OrbTech Pro LLP · Jan 2022 - July 2022
- Revamped RESTful APIs with Spring Boot and MySQL, amplifying data retrieval efficiency by 25%, while incorporating Kafka for event-driven architecture, and improving system responsiveness by 30%..
- Facilitated front-end with React.js, improving UI responsiveness by 40% for smoother and engaging user experience.
- Automated CI/CD pipelines with Jenkins and Docker, cutting deployment time by 50% and boosting system stability.

**Software Engineer**, OrbTech Pro LLP · Aug 2022 - July 2023
- Co-ordinated to backend system development with Node.js and Firebase, optimizing data handling and reducing server load by 30%, while implementing AWS Lambda functions to improve resource utilization, cut operational costs by 25%.
- Developed real-time data streaming services using Web-Sockets and Spring Boot, reducing response latency by 45% and enhancing live data synchronization.
- Led collaboration with DevOps to streamline task tracking and sprint management in JIRA, providing leadership in Agile practices, and ensuring effective communication across cross-functional teams to improve development cycle efficiency.

**Research Assistant**, UT Arlington · Aug 2023 – Dec 2024
- Migrated the Texas Disability History site from Drupal 7 to 9, enhancing system reliability by 95%, refactoring outdated modules, and optimizing database queries to achieve 30% faster page loads across all sections.
- Engineered an interactive survey module using React and REST APIs, streamlining user workflows, reducing survey creation time by 50%, and boosting engagement rates by 40% through improved UI and automation.

## PROJECTS

**Social Media Dashboard – React | Node.js | Firebase | AWS | Jira**
- Built Social Dash, a social media management platform supporting 500+ user accounts, enabling multi-account management, post scheduling, and real-time analytics through API integrations with Facebook, Twitter, and LinkedIn.
- Evolved a scalable 10KLOC codebase with React, Node.js, Firebase, and AWS, optimizing API calls with caching and OAuth authentication. Built in 7 Agile sprints, ensuring modular architecture and high performance.

**Real – Time Log Monitoring Solution | WebSocket | Spring Boot**
- Reduced response latency by 45% and improved live data synchronization, enhancing real-time performance.
- Automated log monitoring reduced manual effort by 40% and improved log retrieval efficiency by 25%, streamlining operational workflows.

**Banking System - Python | MySQL**
- Achieved 95% schema completeness, ensuring data integrity and reliability in the banking system.
- Improved query execution accuracy by 98%, enhancing system performance and accelerating transaction processing.

**Android Application (Quiz Game) - Java | MySQL**
- Increased development efficiency by 30% through detailed design artifacts, ensuring clear system interactions and reducing ambiguities by 40%, leading to faster project execution.
- Enhanced deployment success rate by 95% using the Increment Matrix for structured feature planning and testing.

## CERTIFICATIONS

- **AWS Certified Developer Associate – Authorized by AWS**