

Kush Gandhi

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Education

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science Expected Dec 2026

Relevant Coursework: Design & Analysis of Algorithms, Programming Language, Database System, Cloud Computing, Design Pattern, Machine Learning

Gujarat Technological University, Vadodara, India

Bachelor of Technology in Computer Science and Engineering May 2024

Technical Skills

- Languages:** Java, Python, Dart, C, C++, JavaScript, HTML, CSS, C#, Kotlin
- Frameworks & Libraries:** NodeJS, Flutter (Provider), ReactJS, Spring Boot, Flask, JavaFX, .NET
- Cloud & Databases:** Firebase, MongoDB, REST APIs, MySQL, Oracle, PostgreSQL, GCP, AWS
- Tools:** Git, GitHub, Linux, Visual Studio, Eclipse, Android Studio, Jira, IntelliJ, D
- Certificates:** Python Essentials for MLOps, Mathematics & Statistics of Machine Learning & Data Science, Algorithmic Trading with Python: Machine Learning strategies

Professional Experience

Friendly IT Solution, Software Developer Intern

Oct 2023 - May 2024

Vadodara, India

- Optimized application performance by refining UI rendering pipelines and implementing lazy loading, **reducing initial load times by 64%**
- Decreased average API response time by 250ms through code optimization of inefficient queries, and designed and directed the most popular feature request **increasing user engagement by 43%**
- Integrated an **AI and Machine Learning**-based recommendation engine using NLP to personalize user content, **boosting click-through rate by 49%**, enabling process automation
- Developed testing framework, implementing unit, integration, and end-to-end tests using **Jest** and **Cypress**, achieving 43% code coverage

Friendly IT Solution, Java Developer Intern

Jul 2023 - Aug 2023

Vadodara, India

- Spearheaded the development of **REST APIs** using **Java in Spring Boot**, supporting web and mobile application features; ensured scalability for 1000+ users, adhering to agile SDLC documentations
- Streamlined backend services to improve data processing efficiency, supporting high-volume transactions, **improving application responsiveness by 41%** and **reducing sever cost by 36%**
- Integrated object-oriented design principles, ensuring maintainability and scalability of the application, resulting in 38% reduction in code defects
- Automated deployment processes using **Jenkins**, implementing (CI/CD) pipelines to improve release cycles and reducing manual errors, **decreasing deployment time by 35%** and conducted automating testing

Project Experience

PulseText AI, Full-Stack Developer

May 2025 - Jul 2025

- Built a cross-platform speech recognition app using **Flutter** and **ONNX models** with **92%+ accuracy**, enabling real-time and offline transcription
- Designed modular architecture (**Riverpod + Clean Architecture**) and implemented CI/CD and test-driven SDLC, **improving performance by 47%** and **reliability by 40%**

ShoeBuddy - Ecommerce, Full-Stack Developer

Apr 2024 - May 2024

- Engineered secure user authentication and real-time inventory management features within a **Flutter** and **Firebase** e-commerce application, leading to a **35% decrease** in user authentication-related support tickets
- Fostered a **machine learning model** for product recommendations based on user purchase history analysis using efficient data structures and algorithms, achieving a **72% increase in click-through rate**

Chatbot (Hackathon Project), Backend Developer

Nov 2023

- Generated **RESTful API** using **Flask** and **NodeJS**, facilitating seamless communication between chatbot frontend and backend, enabling real-time data exchange and **improving response times by 45%**
- Enhanced chatbot performance by implementing logging and monitoring, tracking user interactions, identifying areas for improvement, and optimizing chatbot responses, leading to **68% improvement** in user satisfaction