Shahid Shaikh

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EDUCATION

Northeastern University
B.S. in Computer Science and Finance Khoury College of Computer Sciences December *2027*
Relevant Coursework:
Computer Science: Algorithms and Data, Object- Oriented- Design, Introduction to Database, Fundamentals of Cybersecurity, Fundamentals of Computer Science I and II.
Finance: Financial Management, Financial Accounting, Corporate Finance, Managerial Accounting, Business Statistics.
Member: Islamic Society of NU, Pakistan Student Association, IM Basketball, Artificial Intelligence Club

TECHNICAL SKILLS

Programming Langauges: C++, Python, Java, Swift, SQL, C, JavaScript, Shell Scripting, HTML, CSS, MATLAB, Swift, SwiftUI
Frameworks & Tools: Git & GitHub, JUnit , MySQL, PostgreSQL, SQLite, IntelliJ IDEA, VS Code, Microsoft Excel, Tableau, PowerBI, Confluence

WORK EXPERIENCES

Innovive Health **Medford, MA**

Workflow automation developer Intern | Java, Java, OpenCSV, Jackson, PostgreSQL, Cron *May 2024 - May 2025*

- Developed a Java ETL pipeline to automate ingestion and normalization of 50–80 daily decision-letter CSV feeds, eliminating ~3 hours of manual work daily (≈60% time savings).Wrote basic SQL SELECT and JOIN queries in PostgreSQL to reconcile incoming records with master tables automatically flagging mismatches and reducing manual checks by 60%, saving ~10 hours per week
- Created SQL queries to reconcile incoming data with master tables, flagging mismatches automatically and reducing manual checks by 60% (~10 hours/week saved).
- Implemented Java data-validation with exception handling, boosting first-pass accuracy from 85% to 93%, cutting downstream corrections by 82%.

Eslinger Consulting **Boston, MA**

Cybersecurity *Intern* | Burp Suite, Python, Nmap *Sept 2022 – Jan 2023*

- Performed web application security testing to identify vulnerabilities like SQL injection and XSS using Burp Suite under supervision.
- Automated vulnerability scans and log analysis with Python scripts, reducing manual effort by 25%.
- Supported penetration testing and remediation efforts, contributing to a 15% reduction in security issues during the internship.

PROJECTS

Boston Campus Form | Ruby on Rails, PostgreSQL, SCSS, Heroku *Jul 2025*

- Designed and implemented a full-stack community forum web application with Ruby on Rails backend and PostgreSQL database, featuring user authentication, posts, comments, voting, and college-based filtering to enhance student engagement.Deployed a scalable architecture with Netlify (frontend) and Render (backend), incorporating CI/CD for seamless updates.
- Developed responsive frontend UI with SCSS, ensuring seamless user experience across devices and integrating backend APIs for real-time content updates and dynamic filtering.
- Managed deployment and configuration on Heroku for production readiness, implementing security best practices and optimizing performance for scalability.

NutriLens | AI-Powered Calorie Tracking App (iOS)| Swift, SwiftUI, Core Data,Vision, REST API, JSON, Xcode *July 2025*

- Developed and deployed a full-stack iOS application leveraging SwiftUI, Core Data, and Vision Framework, enabling users to scan barcodes and food images for real-time nutritional analysis using machine learning and USDA FoodData Central API.
- Integrated advanced features including image recognition, barcode scanning, dynamic meal history visualization, and personalized calorie/macronutrient tracking with persistent storage and offline support.
- Published and scaled the app with a modern MVVM architecture, optimized performance for large datasets, implemented concurrency for API calls, and delivered a seamless UI/UX experience on the App Store.

DocuFlow | Next.js, React.js, Node.js, Express, TypeScript, Netlify, Render, GitHub *July 2025*

- Engineered a full-stack document automation platform leveraging Next.js and React.js for a responsive frontend, with Node.js and Express backend APIs, using TypeScript to ensure code reliability and maintainability.
- Automated the ingestion, parsing, and processing of complex document workflows, reducing manual entry time by over 50% and minimizing human errors, significantly enhancing operational efficiency for clients.
- Orchestrated continuous deployment pipelines with Netlify and Render, integrating GitHub for version control, enabling rapid feature iteration and ensuring high availability and performance in production environments.