

Rehan Parvez Khan

Boston, MA | rehank.com | khan.rehan2599@gmail.com | linkedin.com/in/rehan-khan2599 | github.com/rehan2599 | (857)-395-5886

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, TypeScript, Java, Swift, SQL, Shell Scripting
Databases & Cloud: MySQL, MSSQL, MongoDB, Amazon Web Services (AWS) EC2, Azure
Cloud Concepts: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS)
Frameworks and Libraries: NodeJS, jQuery, React, Redux, Bootstrap, Material UI, Express, Swift UI, UI Kit, SpringBoot
Tools & Environments: Git, GitHub, Bitbucket, VS Code IDE, Docker, Postman, Jira, Linux, MacOS, Windows

EDUCATION

Northeastern University Boston, MA
Master of Science in Computer Software Engineering Sep 2023 – May 2025
• Relevant Courses: Application Engineering Development, Object-Oriented Design Concepts (OOD), Database Management and Database Design, Web Design, Advanced Programming / Data Structures and Algorithms, User Experience Design/Testing

University Of Mumbai Mumbai, Maharashtra, India
Bachelor of Engineering in Information Technology Aug 2017 – Jun 2021
• **Relevant Courses:** Data Mining & Business Intelligence, Cloud Computing & Services, Artificial Intelligence, Machine Learning (ML), Mobile Application Development, Big Data Analytics, Operating Systems (OS) & Computer Networking (OSI Layer, TCP/IP)

PROFESSIONAL EXPERIENCE

Ingram Micro Mumbai, India
Associate Software Development Engineer Jul 2021 – Aug 2023
• Migrated the IMOnline App to Swift UI with effective multithreading techniques, reducing inline memory consumption by **50%**, achieving a **3-second** screen loading time, and seamlessly integrated multiple RESTful APIs, following Clean Architecture and MVVM design pattern.
• Engineered the X-Vantage Application, optimizing workflows and contributing to a seamless user experience, generating **\$40 million** in revenue from the Mexico Business out of the **28** countries.
• Integrated Okta Authentication, Adobe AEP Analytics, and Crashlytics into the new IMOnline app for application security and to help the organization understand the client's interaction with the app.
• Followed Test Driven Development approach for development by writing multiple test cases, ensuring robust code quality through comprehensive unit testing and SDLC practices including weekly iterations and retrospectives.

RoboSlog Delhi, India
Software Development Engineer Intern May 2020 – Jun 2020
• Designed and deployed data pipelines on GCP, improving data availability and throughput for over **10 million** data points daily. Reduced data latency by **30%** through optimized data architectures.
• Spearheaded a team of **4** to develop an advanced COVID-19 cases web application dashboard utilizing an open COVID-19 API, D3.js, PHP, MYSQL, and employing adept project planning and software systems design.
• Incorporated Google Analytics to identify trends and patterns in visitor engagement with the website.

SDG Society Chennai, India
Web Development Intern Aug 2019 – Sept 2019
• Collaborated with designers (UI/UX) and the management team to develop, document, and manage their NGO website using Vanilla JavaScript, HTML5, CSS, and Bootstrap, with a focus on writing well-organized code to enhance code readability, maintainability, and overall software quality.
• Guided cross-functional collaboration to enforce accessibility standards, verify cross-browser compatibility, and implement responsive design, utilizing Selenium for meticulous front-end code testing.

ACADEMIC PROJECTS

Doctor Appointment Booking System | *React, Express, Node.js, MongoDB* GitHub Link
• Designed and implemented a Doctor Appointment Booking Website for University Health Counselling Service (UHCS), utilizing MERN stack. The platform integrates Stripe for secure payments and OAuth for robust authentication, featuring real-time availability updates and advanced security measures, significantly enhancing UHCS's operational efficiency and service delivery to students.

Facebook Bidding System | *MSSQL/SQL* GitHub Link
• Constructed an advanced Facebook Bidding System, optimizing ad placements and conducting real-time data analysis for increased efficiency and reduced advertising costs. Executed robust SQL database management, incorporating UDFs, stored procedures, Check Constraints, and EERD for enhanced data integrity, performance optimization, and precise modeling of entity relationships. Utilized Power BI for insightful data visualization, facilitating better decision-making based on the project's data.

ACHIEVEMENTS

Secured **2nd place** at the **EasyA x Polkadot Hackathon** held at **Harvard University** by developing a digital marketplace for INDYCAR players utilizing Polkadot's Unique Network capabilities on Web3.