

MOHD ABDUL SUBHAN

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EDUCATION

MS Computer Science , Montclair State University GPA: 3.7/4.0	Expected May 2026
Bachelor of Engineering , Information Technology, Osmania University GPA: 3.8/4.0	2018 - 2022

TECHNICAL SKILLS

Mobile Dev	Swift, SwiftUI, UIKit, Core Data, Combine, MVVM, Kotlin, Jetpack Compose
Backend	Java (Spring Boot), GraphQL, Node.js, Shell scripting, SQL, RESTful APIs
Tools	Xcode, GitHub Copilot, Android Studio, Git, Jenkins, Docker, Grafana, Jira

EXPERIENCE

Graduate Assistant <i>Montclair State University School of Computing</i>	Aug 2025 - Present Montclair, NJ
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- Deliver detailed code reviews on Java, Python, and SQL assignments, identifying logic errors and promoting best practices in OOP and system design.
- Evaluate code quality and logic for 150+ students weekly & deliver detailed code reviews and feedback on Java, Python, and Database assignments, identifying logic errors
- Facilitate academic success of students through dedicated office hours, resolving technical blockers for students in both in-person & remote environments.

Analyst, Mobile-Backend Systems Development Bank of Singapore (DBS) Tech	Jan 2023 - Aug 2024 Hyderabad, IND
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- *Promoted from Senior Officer for exceptional performance in payment systems engineering.*
- Designed Mobile-first Java-based microservices to power high-traffic mobile-banking features, handling **10k+ daily requests** with specialized mobile-first (BFF) API responses.
- Reduced mobile API latency by **35%** through optimized SQL indexing and payload compression, enhancing user experience on low-bandwidth network conditions.
- Engineered real-time monitoring via Grafana, ensuring 99.99% uptime for critical mobile payment endpoints and automated "Standing Instructions."
- Migrated legacy monolithic modules to a Microservices Architecture, improving system modularity and developer velocity by 30%.

Senior Officer, Full-Stack Development Bank of Singapore (DBS) Tech	Jun 2022 - Jan 2023 Hyderabad, IND
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- Accelerated deployment cycles by 25% through the integration of CI/CD pipelines (Jenkins/Docker) for enterprise-level Java/Angular applications.
- Collaborated on the migration of legacy monolithic banking modules to a Microservices Architecture, improving system modularity and developer velocity by 30%.
- Managed SQL script execution for massive data cleanup in SG region, ensuring database integrity during RHEL upgrades

Data Analyst KPMG Internship	Nov 2021 - Dec 2021
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- Executed end-to-end data pipelines, transitioning from manual Excel reporting to automated SQL database queries to enhance data retrieval efficiency.
- Performed exploratory data analysis (EDA) using Python (NumPy, Pandas) to clean, manipulate, and visualize complex datasets.

- Applied statistical techniques to identify and predict significant patterns within raw data, providing actionable insights for business reporting.
- Developed a foundational understanding of the data lifecycle, ensuring data integrity across various analytical tools and platforms.

PROJECTS

Docify (iOS Utility & Communication Hub) *Swift, SwiftUI, Firebase, Stream SDK*

- Developed a utility platform in **SwiftUI**, that can be used to consolidate organization-specific tools into a navigable dashboard following **MVVM** patterns.
- The idea is to have a centralized app hub in **SwiftUI**, consolidating multiple utility tools/services into a single navigable interface
- Integrated Firebase Auth for secure session management and Stream Chat SDK to enable low-latency, real-time peer-to-peer communication.
- Designed an extensible architecture to support future AI-driven agents for automated workspace organization.

Integrated Payments Engine (Enterprise Banking) *Java, Spring Boot, Microservices*

- Engineered and scaled a critical Microservices-based payment engine, handling high-volume transaction processing for global institutional banking channels.
- Acted as the Lead Developer for the "Standing Instructions" (**Autopay**) module, implementing complex recurring payment logic that automated transaction scheduling and reduced manual processing errors by 40%.
- Architected the "**Stop Recall**" service, enabling real-time intervention and cancellation of fraudulent or unusual payment activities to safeguard bank and client assets and retrieval of money from other banks.
- Led a critical **Server Migration projects**, maximizing the availability of services and the performance of systems to accommodate a growing international user base.
- **Upgraded** legacy Banking APIs to modern standards, resulting in a 30% improvement in system throughput and reduced latency for cross-border payment executions.

Speech-recognition Question Answering System *Python (NLP), ReactJS, SpeechRecognition*

- Architected a full-stack Question-Answering system that extracts specific information from video content using Natural Language Processing (NLP).
- Integrated Speech-to-Text models to index and query video data, enabling users to find answers within long-form video 60% faster than manual playback.
- Built a responsive ReactJS front-end to visualize search results and highlight relevant timestamps within the video player.

ACHIEVEMENTS

- **Hack2Hire Winner:** Awarded 1st place among 600+ participants for innovative solution design.
- **Contributions Impact:** Recognized as Super Rookie for the Quarter at DBS TECH
- **CTF Security Challenge:** Ranked 4th out of 25 teams in mobile/web security threat detection.