

# MOHD ABDUL SUBHAN

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## EDUCATION

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**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

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**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

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**Graduate Assistant** Aug 2025 - Present  
*Montclair State University School of Computing* *Montclair, NJ*

- 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** Jan 2023 - Aug 2024  
Development Bank of Singapore (DBS) Tech *Hyderabad, IND*

- *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** Jun 2022 - Jan 2023  
Development Bank of Singapore (DBS) Tech *Hyderabad, IND*

- 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** Nov 2021 - Dec 2021  
KPMG Internship

- 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

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### 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

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- **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.