

## TANYA SHARMA

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### EDUCATION

**THE UNIVERSITY OF TEXAS AT DALLAS**, Richardson, TX

Master of Science in Computer Science

Exp. May 2024

**GPA 4.0/4.0**

**INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN**, Delhi, India

Aug 2016-May 2020

Bachelor of Technology in Computer Science & Engineering

**GPA 88.83/100**

### TECHNICAL SKILLS

Languages & Database : Java, Kotlin, Python (Familiar), Embedded C (Familiar), HTML, CSS, PHP, MySQL

OS & Frameworks : Android, Linux, Flask, Internet of Things (Raspberry Pi)

Developer Tools : Git, Postman, VS Code, JIRA, Android Studio

### WORK EXPERIENCE

**MakeMyTrip, Software Engineer, India**

Jul 2020-Jul 2022

- **Promocodes for Hotels** – Implemented and integrated a dynamic promocode feature on the booking review screen, allowing users to apply or remove existing/new promo codes. Managed the entire flow across different activities and real-time updates of information and prices in response to the promo code changes.
- **Hotel Home Screen Revamp** – Revamped the hotel home screen by converting it from a legacy React Native codebase to native Kotlin screen implementation. Redesigned and optimized the user flows, API calls, and data population for multiple UI card elements on the page, resulting in a more responsive and user-friendly interface.
- **Hotels Multiroom Booking** – Developed a new feature (MVVM based) on the room selection screen, enabling users to book multiple rooms individually or opt for bundled room combination packages. Skillfully refactored existing flows and integrated new API calls to seamlessly support this functionality.
- **Google Map Integration** – Successfully integrated Google Maps to showcase the hotel's location and nearby places of interest. Implemented search bar for nearby locations and developed the functionality to display the route on the map screen along with the distance.
- **Unit Tests** – Developed 150+ unit tests across various ViewModel, API response, and Utility classes within the Hotel Module. These tests contributed significantly to achieving a high level of test coverage in the codebase.

**Eaton, Intern, India**

May 2019-Jul 2019

- Collaborated with engineers to understand the requirements and specifications, and subsequently designed and developed a robust tool that successfully converts Eaton's Switchboard Product PDF documentation into precise wiring diagrams, generating .dwg files in AutoCAD format.
- Recognized with the Eaton Employee STAR Award for exemplifying a strong passion for excellence, resulting in the successful completion and deployment of the project.

### PROJECTS

**Secure Google Drive App**

**Data and Application Security (Flask & Google APIs)**

- Developed an application that stores encrypted (AES GCM Mode) information on google drive.
- The application supports detection of cloud data modification, decryption, and selective decryption of information by tags. Supports Google Authentication and Shamir's Secret Sharing (2 out of 3 secrets).

**IoT Smoke Detection Model**

**Machine Learning**

- Implemented our own version of ANN and KNN (with N-Cross Fold Validation) and compared the results with seven different sklearn algorithms. Achieved high accuracy for KNN (99%) and 72% accuracy for ANN.

**NFT Trading Platform**

**Database Management System (Flask, MySQL & Coinbase API)**

- Developed Web based NFT Trading System that leverages Relational DBMS for data storing and querying.
- Traders can buy or sell NFTs in Ethereum or fiat currency and maintain their own currency balance in system.

### ACTIVITIES

**StARLinG Lab (Statistical Artificial Intelligence and Relational Learning Group at UT Dallas)**, Student Assistant

**SWE (The Society of Women Engineers)**, Collegiate Member

**The Institution of Engineers (India)**, Associate Member (AM 197530-5)