

# PRERANA PRIYADARSHINI

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## EDUCATION

**Dual Degree - M.Tech. & B.Tech. | IIT Kharagpur**

**Jul 2017 - May 2022**

*Electronics and Electrical Communication Engineering*

- **Specialization:** Visual Information & Embedded Systems, **Micro-Specialization:** Entrepreneurship & Innovation
- **M.Tech. Project:** Surround view camera for Advanced Driver Assistance Systems

## WORK EXPERIENCE

**Associate, Full-stack Developer | Bank of New York**

**Jul 2022 - Present**

*Mobile Applications Development and Delivery Team*

**NetX360+** - Advisor Platform that helps manage client accounts, trades and investments

- Maintaining **Android (Java)** and **iOS (Objective C)** applications, with vulnerability fixes and feature enhancements
- Introduced **accessibility** enhancements in Angular libraries, improving experience for specially abled users
- Executed migration of Angular based web applications from Angular version 11 to 14, further to **Angular 16**
- Supported application builds, testing, and releases for Android **PlayStore**, iOS **AppStore**, and TestFlight
- Managed client incidents: conducting initial analysis and assigning them to suitable team members for resolution

**NetXInvestor** - Application enabling investors to manage funds, place trades, view market insights

- Built **Ionic-Angular** hybrid app, adapting to firm-wide tech and ensuring product consistency across platforms
- Developed **Cordova** plugin for biometric authentication features, and integrated it with Ionic application
- Implemented Cordova Android Security Plugin with security features like **RootBeer**, and **Play Integrity** check
- Handled **internationalization** support for Angular and Android native apps, widening the app's user base
- Redesigned Angular web apps leveraging internal **design system** with API integrations for Wove Investor Platform

**Service Applications** - Mobile specific backend services in Java/SpringBoot

- Refactored an application from **Monolithic to Microservices** architecture improving efficiency in resource allocation, scalability, and maintenance
- Pioneered service application migration in consuming an internally developed **SpringBoot** wrapper framework
- Performed **Java 11 to 21** conversion with **OAuth2**, Thymeleaf, **Jakarta APIs**, to remove vulnerable dependencies

**Intern, Software Developer | Bank of New York**

**Jan 2022 - Jun 2022**

*Mobile Applications Development and Delivery Team*

- Built a **NodeJS/ExpressJS** API with CLI integration for template creation of customized **branded Ionic apps**
- Constructed an API and **CLI command** for generating resources, and performing sanity checks for apps
- Conducted proof of concept and developed an Android **Cordova Camera Plugin**, integrated with an Ionic app

**Intern, Business Analyst | OYO Hotels and Homes**

**May 2021 - Jun 2021**

*Revenue Management Team*

- Built a robust **revenue forecast model** to predict next 7 days' revenue for overall, and category wise data
- Queried data using **PostgreSQL**; derived key insights by observing trends, seasonality, and exogenous factors
- Applied stacked Long Short-Term Memory (**LSTM**) architecture to forecast coming week sales using current bookings data; Achieved root mean squared error of **7.04%**

## SKILLS

- **Languages | Frameworks:** Java, JavaScript, Typescript, Kotlin, Python, C++, HTML, CSS, SQL, Angular, Ionic, Cordova, Capacitor, NodeJS, SpringBoot
- **Software | Tools:** Android Studio, VSCode, XCode, IntelliJ, SQLDeveloper, Splunk, AppEngine, Figma, SonarQube, JIRA, Browserstack, Confluence

## ACHIEVEMENTS & LEADERSHIP

- Secured first position in Hack-AI-Thon 2024, conducted by Technology Service Group, Bank of New York
- Recognized as Employee of the Month, June 2023, Pershing Line of Business, Bank of New York
- Mentored 3 interns for Summer Internship May - Aug 2024, Bank of New York
- Awarded the National Talent Search (NTSE) Scholarship, 2015 by NCERT (among the 1000 awardees)