

# MANALI TAWAR

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## EDUCATION

**Syracuse University** - College of Engineering & Computer Science, Syracuse, NY August 2021 - May 2023

Master of Science, Computer Science

Relevant Course work: Principles of Operating Systems, Database Management Systems, Design and Analysis of Algorithms, Social Media and Data Mining, Natural Language Processing, Biometrics

**Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India** August 2016 - May 2020

Bachelor of Technology, Computer Science and Engineering

## TECHNICAL SKILLS

- C, C++, Java, Python, Android Programming, JavaScript
- Object-Oriented Programming, Data Structures, Design and Analysis of Algorithm, Software Engineering
- Data Science, Machine Learning, Deep Learning, MySQL

## PROFESSIONAL EXPERIENCE

**Project Engineer**, Wipro Ltd – Hyderabad, India September 2020 - July 2021

Technology: Spring Boot, Hibernate

- Utilized JavaMail API to enable seamless sending of emails, ensuring a user-friendly experience for customers
- Created API endpoints to construct API Request Web Portal to deliver information about various databases
- Leveraged Spring Boot's powerful features to optimize queries to ensure efficient retrieval, management of data
- Worked with chrome extension Postman REST Client, an HTTP client for testing web services
- Designed convenient, visual display of query results and wrote automation scripts to validate against a database
- Performed Back-end testing by writing SQL statements like Joins, Inner Joins, Outer Joins, and Self Joins

## INTERNSHIPS

**Software Development Engineer Intern**, Swift Rails Inc – New York, USA August 2022 – Present

Technology: Kotlin, Java, Android Studio, Firebase

- Designing a mobile app to develop new features, interfaces, providing unit structure to deliver mobility service
- Created an intuitive UI for users to input their pickup, drop locations, set a custom pickup time, and ride options
- Integrated Google Places API for autocomplete address suggestions for a seamless, easy-to-use experience
- Developed streamlined database structure using Firebase, enabling easy examination of user data
- Documenting the development process with concise comments, facilitating cooperation for future developers

**In-Plant Trainee**, Expert Global Solutions Pvt Ltd – Aurangabad, India January 2020 - June 2020

Technology: Angular, NodeJS, PostgreSQL

- Worked on IoT-based project for a industry to improve machine efficiency, streamline production processes
- Utilized Angular, Node.js to develop web app for real-time monitoring of machines to set, track production targets
- Developed a user-friendly UI for task management, including adding new machines, assigning tasks etc
- Thoroughly tested, debugged the web app for precise machine data, utilizing Postman and Chrome DevTools
- Utilized Agile development for timely delivery of project milestones and collaboration with team members

## PROJECTS

### Academic Projects

#### SalonFlow – Backend Server for Client Management:

- Developed Spring Boot server to manage client data for a salon with CRUD REST API to interact with server
- Designed notification services for clients on discounts, birthday greetings using SMTP server, scheduling feature
- Conducted data analysis and created weekly and monthly reports on top clients based on checkins, checkouts
- Implemented functionality for appointment scheduling, allowing clients to book appointments online

#### Sentiment Analysis on Google Play Store Apps and Reviews:

- Conducted exploratory data analysis on a Kaggle dataset using Pandas, NumPy, and Matplotlib libraries
- Analyzed data on app reviews and categories of highly rated apps and applications after cleaning the dataset
- Utilized data visualization techniques to effectively present findings on popular app categories, free and paid apps
- Performed sentiment analysis and visualization on the reviews to identify apps with positive ratings and reviews