

# Ronit Boddu

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## EDUCATION

### Rochester Institute of Technology

Master of Science in Computer Science, GPA 3.78

Rochester, NY

Jan. 2022 – Jan 2024

### University of Mumbai

Bachelor of Engineering in Computer Engineering

Mumbai, India

Aug. 2015 – May 2019

## EXPERIENCE

### Majesco

July 2019 – November 2021

Software Engineer | Oracle DB, PL/SQL, Dev Studio, Soap UI

Mumbai, India

- Designed data model schemas by crafting efficient **PL/SQL** scripts in **Oracle DB** to calculate policy premium following ISO standards
- Devised **microservice** to integrate different workbenches by writing **XML** schemas and using **SOAP UI** for web service testing which reduced manual overhead by 40 hrs per month
- Minimized hands-on labor up to 70% by generating dynamic document templates using optimal PL/SQL queries
- Researched and introduced a new feature on policy workbench to maintain single data entry point in database for multiple policy object entities
- Reduced response time to 2 seconds by providing performance tuning support and thereby optimizing queries

### Collateral Medical Pvt Ltd

June 2018 – August 2018

System Developer Intern | Spring Boot, Hibernate, Apache Tomcat, Postgres SQL

Mumbai, India

- Built a customer interactive platform to resolve queries such as Product Tracking, Order Details, Product details and Order Status
- Implemented **RESTful API** using **Spring Boot**, **Hibernate**, **GSON** library for serializing java objects and **JUnit** for unit testing
- Developed domain classes to store and retrieve data from **Postgres SQL** using **JDBC** driver
- Deployed and maintained code on **Apache Tomcat** server
- Generated appropriate responses in form of Carousels, Cards, links within the specified turnaround time of 3 seconds

## PROJECTS

### Railbot | Java Jersey, J2EE, JSOUP, Dialogflow, Maven, Heroku

- Developed a chatbot to fetch Indian Railways information using **Java Jersey** and **J2EE**
- Created human interacting agents on **Dialogflow API** for each different service. Data was fetched from railway APIs and by **web scrapping** using JSOUP
- Crafted highly optimized **data caching** technique for static data which reduced response time to 2 seconds
- Deployed and maintained code on **Heroku** server
- Collaborated with team members using **GitLab** for version control

### Character Count | Golang, goroutine, gRPC, protobuf

- Developed a client-server program to get the character count concurrently in **Golang** using **goroutines**.
- Unary **gRPC** client-server API was implemented using **protobuf** message format.

### Concentration Game | Java, Java-FX, Socket programming

- Created **asynchronous multi-threaded** instances of server to enable parallel gaming specimens over **TCP/IP** network protocol in Java
- Designed visual interactive board with **Java FX GUI** following **MVC** architecture pattern.

### BookStore | Golang, MySQL

- Devised Bookstore Management system using **Golang** and **MySQL**

## TECHNICAL SKILLS

**Languages:** Java, Python, Golang, PLSQL

**Tools and Technologies:** Spring MVC/Boot, Hibernate, JUnit, REST API, gRPC, Protobuf, Docker, Git, Apache Tomcat, Heroku

**Database:** MySQL, Oracle, MongoDB, PostgreSQL