

# RAHUL SATISH CHANDAK

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## EDUCATION

**Northeastern University, Khoury College of Computer Sciences**

Boston, MA

Master of Science in Computer Science, **GPA: 3.87/4.0**

Sept 2022 - Present

Relevant Courses: Algorithms, Programming Design Paradigm, DBMS, Web Development.

**University of Mumbai**

Mumbai, India

Bachelor of Engineering in Electronics

2020

Relevant Courses: Structured Programming Approach, OOP Methodology, Cloud Computing, Embedded Systems and RTOS.

## TECHNICAL SKILLS

<b>Programming Languages</b>	Java, Python, JavaScript, C++, C#.
<b>Web Technologies</b>	React.js, Node.js, HTML, CSS, Bootstrap, jQuery.
<b>Database</b>	MySQL, Oracle Database - PL/SQL, MongoDB.
<b>Libraries and Frameworks</b>	.NET, jQuery, JUnit, Java Swing.
<b>Tools &amp; Services</b>	AWS (EC2, S3, Lambda, RDS, VPC), Azure Fundamentals (AZ-900), Docker, Kubernetes, Git, Jenkins.

## EXPERIENCE

**Tata Consultancy Services Pvt. Ltd.**

Mumbai, India

Assistant System Engineer - Full Stack Developer

Sept 2020 - July 2022

- Architected and developed HTML-CSS templates to create responsive front-end and leveraged Oracle RDBMS (PL/SQL) and C# (and VB.NET) for back-end development and seamless integration on the .NET framework.
- Delivered 56 CR's with no unaccounted delay and defect rate less than 1% in an Agile team environment.
- Optimized database performance by developing and fine-tuning complex queries in the PL/SQL development tool.
- Maintained GIT workflows adhering to DevOps practices. Utilized Jenkins for CI/CD, enabling streamlined delivery and deployment.
- Managed a team of 5 members, conducted team meetings, provided knowledge transfer sessions, and assigned work in accordance with competence.

**Camp K12 Academy**

Mumbai, India

Assistant Technical Intern

July 2018 - Sept 2018

- Instructed 15 computer science students in foundational programming concepts such as OOPs and Data Structures and facilitated in-class educational activities.
- Collaborated with multiple instructors to develop educational materials, assess progress, and evaluate participants in the program.

## PROJECTS

**BrewCritic** | React.js, Node.js, Bootstrap, MongoDB, RESTful API

- Created RESTful Brewery review website using Node.js for backend, React.js for dynamic rendering and MongoDB for database.
- Implemented features like multi-user authentication, activity monitoring, profile management, responsiveness, API integration and achieved load time under 1 second.

**Stock Portfolio Tracker** | Java, Swing, MVC, API

- Built a prototype desktop application utilizing Java, Swing, based on MVC architecture and 4 design patterns adhering to SOLID principles to execute several CRUD operations involving stocks.
- Fetches real-time stock prices spanning 22 years from AlphaVantage API to compute the value, cost-basis and visualize the portfolio.

**Supermarket Management System** | MySQL, JDBC, Java, Swing

- Developed a full-stack desktop application simulating a supermarket management system where customers and employees can log in and perform dedicated tasks.
- Designed a relational database and performed 5 CRUD operations involving stored procedures, functions, and triggers. Utilized JDBC driver to integrate the database with GUI ensuring seamless data management and retrieval.

**Covid - 19 Supplies** | Python, Django, Tkinter, SQLite3, HTML CSS

- Devised a medical supply monitoring tool to track availability of 30 essential covid resources.
- Created the GUI with Python Tkinter for store owners to maintain accounts and upload store supplies. Designed web page using HTML CSS and integrated with SQLite3 database.

## ACHIEVEMENTS

- Best Demonstration award at IIT - Bombay, sponsored by the Government of India for the project 'Defense Mechanism using Image Processing' among 362 nationwide participants.
- Volunteered and later promoted as the head of the publicity department of IEEE - RAIT from 2016 to 2019.