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

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

EXPERIENCE

Tata Consultancy Services Pvt. Ltd.   *Mumbai, India*
Software Developer (Full Stack)   *Sept 2020 - July 2022*

- Architected blueprints of various insurance forms using HTML CSS. Leveraged Oracle RDBMS (PL/ SQL), C# for back-end development and seamless integration on the .NET framework to display customer data on these forms.
- Developed VB.NET based web services utilizing ADO.NET for data access and SOAP for communication.
- Delivered 56 CR's with no unaccounted delay and defect rate less than 1% in an Agile team environment.
- 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, code reviews, 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, Tailwind CSS

- 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 (Redux), 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.
- Fetched 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.