RIYA CHADDHA

(857) 405-9051 | chaddha.ri@northeastern.edu | LinkedIn | GitHub

EDUCATION

Master of Science in Information Systems, Northeastern University   Aug 2023 – Present
Relevant Coursework: Programming Structures and Algorithms, Application Engineering and Development, Object Oriented Designing

Bachelor of Engineering in Computer Science, University of Pune   Aug 2016 - May 2020
Relevant Coursework: Advanced Data Structures, Object Oriented Programming, Computer Network, Database Management System, Designing and Analysis of Algorithms

TECHNICAL SKILLS

Programming Languages:	Python, Java, C++, R, Linux/Shell Scripting, JavaScript, AngularJS, Node JS, Typescript, React
Databases:	MySQL, Oracle SQL, SQL Server, NoSQL, PL/SQL, Snowflake
Tools & Technologies:	VS Code, MS Azure, GitHub, REST API, Jenkins, Azure DevOps, SDLC, Agile, MVC
Certifications:	Python 3- Beginner to Advanced, Microsoft Azure Data Fundamentals

WORK EXPERIENCE

Graduate Teaching Assistant, Northeastern University   Sept 2024 – Present
- Supporting **100+** students with assignments and course administration for the **Data Management and Database Design** course by providing detailed feedback on assignments, helping students apply key concepts in data management

Software Engineer, LTIMindtree   Jan 2021 - Jun 2023
- Conducted comprehensive **Reports Testing,** ensuring flawless data flow between Data Warehouse and Data Mart
- Deployed **Power BI** for data visualization and validated data using **SQL** leveraging **SSMS** to generate insightful reports, driving informed decision-making reduced time spent on manual reporting by **45** hours per week
- Key contributor to Project Release-1 launch ensuring 94% defect-free results in **UAT** by collaborating within **Azure DevOps**
- Identified **60%** critical defects; earned recognition from executives for a pivotal contribution to quality assurance efforts
- Revitalized testing speed and efficiency by 90% through the automation of **Regression** and Iteration Testing using the IPAT framework

Android Developer Intern, Optinno Mobitech   Dec 2018 - Feb 2019
- Developed an Android application for calling and messaging with a variety of features using Android Studio software
- Employed SQLite for managing contact details from the database resulting in **40% improvement** in data **retrieval** efficiency
- Implemented message segregation through text analysis, categorizing incoming messages into spam and important

ACADEMIC PROJECTS

Healthcare Ecosystem Application | *NetBeans, Java, db4o*   Nov 2023 – Dec 2023
- Developed a comprehensive healthcare ecosystem application using **Java** in **Apache NetBeans**
- Designed and implemented entities including patient, nurse, doctor, insurance broker, pharmacy, and insurance architect to simulate a complete patient treatment process
- Utilized **db4o** as the database solution to efficiently store and manage session data, ensuring persistent data handling

Online Banking System | *VS Code, Java*   Mar 2021 - Apr 2021
- Implemented an online banking system by utilizing the MVC concept and tools like Eclipse, Postman, Jenkins, VS Code
- Developed a full-stack online banking system using **AngularJS** for the front-end and **Java** with **Spring** for the back-end
- Integrated **MySQL Connector** and **Hibernate** for robust database connectivity and object-relational mapping
- Utilized **Maven** for build management and **Jenkins** for continuous integration and deployment, ensuring efficient development workflows
- Implemented **RESTful APIs** to enable seamless communication between the client-side interface and server-side processes

Intrusion Alert System | *IoT, Python, Raspberry Pi, IFTTT*   Feb 2019- Mar 2019
- Designed and implemented a home security alert system utilizing Raspberry Pi to detect and respond to unusual movements using IR sensor and Buzzer
- Integrated the system with IFTTT application to notify the owner upon detecting activity