JAY BHATT

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EDUCATION

The University of North Carolina at Charlotte Aug 2021 - May 2023
Master of Science in Computer Science - **(GPA: 3.9/4.0)** Charlotte, NC, United States
- **Relevant Courses:** Mobile Application Development, Network-based Application Development, Data Structures and Algorithms, Parallel Computing, Computer Communication and Network, Big Data Analytics for Competitive Advantage

University of Mumbai Aug 2016 - Oct 2020
Bachelor of Engineering in Information Technology - **(GPA: 3.4/4.0)** Mumbai, MH, India

TECHNICAL SKILLS

- **Programming Languages**: Java, C#, JavaScript, Python, C++, SQL
- **Cloud/Web Technologies:** AWS, GCP, Azure, HTML, CSS, Sass, Spring Boot, React JS, Node JS, REST API, JSON, XML
- **Testing Frameworks/Build tools:** JUnit, Mockito, Maven, Gradle, Webpack
- **Database:** PostgreSQL, MongoDB, Firestore, MySQL
- **Tools/OS:** Git, Eclipse IDE, IntelliJ IDE, Android Studio, Postman, Windows, Android, Docker

PROJECTS

TaskMaster Web Application | Demo | Github June 2023

Technologies Used: *Core Java, Spring Boot, PostgreSQL, HTML5, CSS3, JavaScript, React, Bootstrap, AWS S3, Heroku*
- Engineered a responsive front-end using React, integrating it with the backend API to display data and deliver features
- Orchestrated a RESTful API for managing TODO tasks, including the execution of CRUD operations
- Performed authentication and authorization using Spring Security and Spring JWT, ensuring secure access to the application's features
- Leveraged Spring Data JPA for database querying and manipulation
- Pioneered the implementation of validation and error-handling mechanisms to ensure data integrity

Entity REST API | Swagger playground | Documentation Feb 2023

Technologies Used: *JavaScript, Express.js, Azure, Swagger*
- Programmed a user-friendly RESTful API capable of extracting entities, sensitive information, and linking entities based on user preferences by utilizing an array of strings as input by leveraging Azure's cognitive services and AI text analytics
- Implemented validation and error handling procedures for each API endpoint, ensuring smooth operation
- Created comprehensive documentation for the API and designed a user-friendly Swagger playground for easy exploration and testing

ScheduleWizard++ | Github Dec 2022

Technologies Used: *JavaScript, HTML5, CSS3, Node JS, React JS, GCP*
- Developed a web application that automatically extracts class schedule information from images and syncs selected classes to Google Calendar, resulting in a 75% reduction in effort for users
- Led the design and development of the web application's front-end and back-end, resulting in a user-friendly interface with a 90% satisfaction rate among users
- Implemented strategies to reduce API calls to Google Calendar API, resulting in a 25% reduction in project expenses.
- Directed the work of the team of 4 students using Agile and Scrum methodologies to ensure the project's timely completion

WORK EXPERIENCE

The University of North Carolina at Charlotte Aug 2022 - May 2023
Instructional Assistant (Parallel Computing | Introduction to Computer Architecture) Charlotte, NC, United States
- **Delivered effective instruction in lab sessions for a group of 40+ students,** clearly communicating complex concepts and ensuring understanding through active engagement and hands-on activities
- **Graded 120+ student assignments per week,** ensuring prompt feedback and a thorough understanding of the material