

GAURANG JOTWANI

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WORK EXPERIENCE

Northeastern University

Jan 2023 - Present

GRADUATE TEACHING ASSISTANT

- Graduate TA for the Machine Learning Course offered by Khoury College of Computer Sciences

Verista Life Sciences Inc

Jul 2021 - Jul 2022

SOFTWARE VALIDATION ENGINEER (TESTING)

- Conducted comprehensive database integrity testing to ensure data consistency, accuracy, and security, including validation of primary keys, foreign keys, and stored procedures
- Utilized industry-standard testing tools and methodologies, such as Selenium, JUnit, and TestNG, to create and execute automated test scripts for regression, functional, and performance testing
- Employed various testing techniques, including black-box, white-box, and gray-box testing, to thoroughly examine software functionality and identify potential vulnerabilities

Pattern Jobs

Jan 2021 - May 2021

SOFTWARE DEVELOPER INTERN (CLIENT-SIDE)

- Developed and maintained responsive user interfaces using React, HTML, and CSS, resulting in a streamlined and intuitive user experience
- Collaborated using Agile (SCRUM) SDLC methodologies with team members to implement new features and improve existing ones, leveraging React components and libraries to increase efficiency and maintainability of codebase
- Conducted extensive testing of user interface components and features using tools such as Jest and Enzyme, ensuring high code quality and minimizing bugs and errors
- Optimized user interface performance and speed by identifying and resolving bottlenecks, implementing lazy loading and code splitting techniques, and integrating best practices for optimizing React applications
- Contributed to design discussions and decisions, providing input on user interface layout, color schemes, and visual design elements to create a consistent and cohesive user experience across the application

IALM

Aug 2020 - Dec 2020

SOFTWARE DEVELOPER INTERN (SERVER-SIDE)

- Gained Hands-On experience in JavaScript back-end Development in Node.js, TypeScript and GraphQL
- Worked with cross-functional teams to identify and prioritize features, define API endpoints, and develop data models that align with business needs and user requirements
- Developed and maintained API documentation, including detailed specifications, tutorials, and examples, to ensure consistency and clarity for both internal and external stakeholders
- Optimized web API performance by conducting load testing, profiling, and troubleshooting to identify and resolve bottlenecks and improve scalability

TECHNICAL PROJECTS

Augmented Reality Book Mobile Application with Unity and C#

- Conceptualized and led the development of an innovative augmented reality book app project utilizing Unity and C#
- Collaborated closely with a team of designers and developers to build an interactive and user-friendly reading experience that seamlessly integrates 3D animations and interactive elements into the book's content
- Leveraged advanced computer vision techniques and Unity's AR Foundation / WebGL libraries to develop robust image recognition and tracking capabilities, enabling the app to overlay digital content on physical pages in real-time

TECHNICAL SKILLS

Programming Languages: C++, C, C#, Python, Java, JavaScript, Typescript, Latex, SQL

Frameworks: Django Rest Framework, Node.js, React, Unity

Technology: HTML, CSS, Jenkins, Kubernetes, jQuery, Git, AWS cloud, CI / CD, Docker, Bootstrap, Selenium

DBMS: MySQL, Postgres, MongoDB (NoSQL), DynamoDB (NoSQL)

EDUCATION

Northeastern University, Khoury College of Computer Science

Expected Graduation: Dec 2024

Master of Science in Computer Science, GPA: 4.00 / 4.00

Key Courses: Operating Systems, Database Systems, Distributed Systems, Algorithms, Object Oriented Design, AR / VR

University of Illinois Urbana-Champaign

Aug 2015 - May 2019

Bachelor of Science in Chemical Engineering, GPA: 3.83/4.0

[AWS Certified Solutions Architect - Associate](#), Amazon Web Services (AWS)

Aug 2022

[Complete React Developer Course \(w/ Hooks and Redux\)](#), Udemy

Aug 2020