

Haris Gunasekaran

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MAY 2023 - DEC 2023

EDUCATION

Northeastern University, Boston, MA

September 2022

Khoury College of Computer Sciences

Expected June 2024

Master of Science in Computer Science, GPA: 3.5/4.0

Related Courses: Programming Design Paradigm, Database Management System, Algorithms, Web Development

Anna University, Chennai, India

August 2022

Bachelor of Engineering, Computer Science and Engineering, GPA: 3.65/4.0

Related Courses: Object Oriented Programming, Data Structures, Databases, Software Engineering, Web Development

TECHNICAL KNOWLEDGE

Languages SQL, JavaScript, HTML5/CSS3, Java, C/C++

Tools and Technologies REST API, Git, MongoDB, MySQL

FrameWorks Node.js, Express.js, React, JQuery, JUnit, JSON, Swing

EXPERIENCE

Full Stack Developer Intern

July 2021 - October 2021

FossFreaks, Chennai

- Developed, deployed 15-20 mockups into highly responsive webpages for e-commerce and healthcare platforms utilizing cutting-edge React features, resulting 30% increase website traffic, 20% increase in sales revenue.
- Designed and implemented a robust database schema leveraging Mongo DB to manage and analyze customer data for user base 45,000-50,000, resulting in 40% increase data retrieval speed and 50% decrease in data management time.
- Analyzed and optimized performance bottlenecks in 4+ backend systems, including database queries, storage solutions, leading to significant increase in response and execution time, with an average of 50% improvement.
- Developed 30+ automated tests that were integrated into development process, ensuring 100% working code and high level of code quality. This resulted in 30% reduction in bug-fixing time and utilized Git for efficient deployment.

PROJECTS

Twitter Clone, Northeastern University

December 2022 - Present

- Designed and developed scalable web application using the MERN stack, enabled 100-200 concurrent users.
- Managed APIs resources and integrated multiple external APIs to embed content from different sites into web pages, including Standard v1.1 Twitter API to post, interact, retrieve 1000-2000 data, in more engaging user experience.
- Enforced design pattern, analyzed and maintained working user database with MongoDB, storing 5000-1000 tweets, 100-200 users information and completed error handling and data validation achieving 100% accuracy.

Stock Master, Northeastern University

September 2022 - December 2022

- Developed application with Java by identifying real time data of 600-900 stocks from web API, and displaying stock information using data fetched from API allowing user to create upto 30 portfolios, sell, buy stocks and do investment.
- Built around MVC design, implemented 5-6 design patterns such as command design pattern, general command call back design pattern and adapter design pattern thereby improved code efficiency by 90%.
- Intergrated 100% code testing using Junit, achieved 93% success rate testing all parts of code ensure code correctness.

Car Rental System, Northeastern University

October 2022 - December 2022

- Programmed database system to store 1000-2000 customers and car data, where user can rent, return car, provide feedbacks and admin monitors 1000-2000 user's, car information and securely store information into database.
- Formulated Relational database by creating 15-20 Schemas, 50-60 database programming objects procedures triggers, functions and events to manipulate data stored in database, display to user who are authorized to have access.

LEADERSHIP EXPERIENCE

Association of Computer Engineers, Anna University, Chennai

August 2019 - August 2020

Executive Member

- Planned, coordinated Hackthoons, 30-40 technical events and programs for students in computer science domain.