

ROHIT HOODA

Boston, MA | (617)-238-4059
rohithooda1999@gmail.com | [LinkedIn](#) | [Github](#)

EDUCATION

Northeastern University, Boston, MA May 2024
Khoury College of Computer Sciences (CS) GPA: **4.0**

Masters of Science in Computer Science

Related courses: Algorithms, Design Pattern, Web Development, Database Management Systems

Future courses: Scalable Distributed Systems, DevOps, Cloud Computing, Microservices

Gandhinagar Institute of Technology August 2021
Bachelor of Engineering in Computer Science Engineering GPA: **9.25**

Related courses: Data Structures, Agile/Scrum Development, Operating Systems, Object Oriented Programming

TECHNICAL SKILLS

Languages: JavaScript, SQL, Python, HTML, CSS, Java, C++, XML, JSON, Typescript

Platforms: Unix/Linux, Windows, Amazon Web Services

Cloud Services: EC2, S3, CloudFront, RDS, Cloudwatch, AWS Lambda, CloudFront

Tools: Git, Maven, Postman, Github, Shell Scripting, Version Control, TDD, ETL/ELT, CI/CD, Terraform, Packer

Libraries/Frameworks: NodeJS, React, Redux, Express, Spring, JUnit, JQuery, Bootstrap, Flask

Database: MySQL, PostgreSQL, MongoDB, NoSQL

Soft Skills: Organizational skills, Analytical and Problem-Solving, Communication Skills, Team work, Time Management

WORK EXPERIENCE

Khoury College of Computer Sciences *Teaching Assistant Web Development* May 2021 - Present

- Mentored a class of **100+ students** by resolving queries during office hours & grading weekly assignment submissions
- Provided hands-on assistance by debugging & troubleshooting projects involving **MERN** stack

TechNeos Solutions *Software Engineering Intern* July 2021 - December 2021

- Collaborated with a team of 8 developers to design REST APIs & unit tests for employee management system
- Spearheaded modernization of the existing back-end design and integrated the APIs with frontend
- Tracked progress and conducted regular assessments, resulting in a **15%** increase in client satisfaction

MobbyPark *Backend Developer Intern* December 2020 - February 2021

- Developed NodeJS APIs to provide information about parking spaces and deployed application to AWS EC2
- Revamped log monitoring utility of the product and decreased time by **5%** for generating real-time alerts

PROJECTS

StubHub | JavaScript, Node.js, React.js, MongoDB, Redux

- Developed fully interactive, dynamic, **responsive** web application for buying/selling tickets utilizing modern tools
- Implemented MVC design pattern, engineered Middlewares, secured Routes and established a DAO layer to persist data
- Collaborated with team of 3 & integrated Ticketmaster API to fetch event details and displayed these events using React

Stock Broker Application | Java, JUnit

- Designed a user-friendly **GUI** simulation to bolster finance operations like portfolio rebalancing, performance tracking
- Implemented Command, MVC design pattern and higher-order functions to enhance modularity and structure
- Formulated and executed comprehensive unit & integration tests, resulting in a remarkable **code coverage** of over **90%**

AWS Infrastructure Automation and CI/CD | AWS, Packer, CI/CD, GitHub Actions, Terraform

- Implemented **CI/CD** pipeline using GitHub Actions workflow triggered by merged pull requests
- Performed unit testing, validated packer file, built **custom AMI**, including application dependencies and database
- Leveraged Terraform to build Infrastructure as Code (**IaC**), creating VPC, subnets, S3 bucket, RDS and EC2 instance

Data Warehouse | R, MySQL, Python

- Engineered ETL pipeline to populate OLAP data warehouse in **less than 3 minutes** with **1million+** rows from PubMed
- Led a team of 3 and proposed a star schema architecture with intent to analyze trends amongst articles and authors

LEADERSHIP

- Led a team of 4 people to achieve **3rd** rank at Smart India Hackathon: National-Level Hackathon
- President of Events and Treasury for Runtime Terror (Club of CSE Department)