Saif Telia

703-712-9640 | saifuddintelia@gmail.com | saifuddin42.github.io | linkedin.com/in/saifuddintelia | github.com/saifuddin42

Recent MS in CS graduate with fundamental knowledge of full-stack software development seeking to
utilize educational background and programming skills to thrive as an entry-level software engineer

EDUCATION

Master's in Computer Science | George Mason University | GPA: 3.83 — Fairfax, VA
Coursework: Database Systems, Software Design and Architecture, Component-Based Development — *2019 - 2021*

Bachelor's in Computer Engineering | University of Mumbai — Mumbai, India
Coursework: Data Structures, Algorithms, Object-Oriented Programming, Computer Networks — *2015 - 2019*

EXPERIENCE

Technical Support Engineer — Jun. 2021 – Current
Software AG — *Herndon, VA*
- Responsible for professional and prompt technical support for assigned complex system level software products.
- Identify and resolve customer product issues with **webMethods ESB Suite** as a member of a 24x7 follow-the-sun Global Support team
- Utilize internal and external tools to debug and analyze implementation issues related to webMethods products

Graduate Teaching Assistant — Aug. 2020 – May 2021
George Mason University — *Fairfax, VA*
- Conducted **web development** labs for 120 students; coached class in **Dreamweaver**, **Photoshop** & **Animate**
- Aided beginner students achieve new milestones in **accessible website design** with multimedia components
- Received **excellent ratings** in teaching evaluations conducted for the students at the end of each semester

React Developer — Nov. 2020 – Jan. 2021
Developer Experience Design Lab, George Mason University — *Fairfax, VA*
- Worked on *Hypothesizer*, an intelligent Chrome extension written in **React** used for debugging web applications
- Secured it by removing danger of cross-site scripting and upgraded front-end using React **Material-UI**
- Gained experience in **end-to-end testing** by writing 100+ **JSON** test cases for the extension

TECHNICAL SKILLS

Programming & Scripting: Python, C, Java, JavaScript, React.js, Node.js
Databases: MySQL, Oracle, MongoDB, AWS DynamoDB
Frameworks: REST, Angular, Express.js, Bootstrap, Socket.io, Hibernate JPA, Spring Boot
Other: webMethods, AWS (EC2, S3, IAM, Lambda, CloudWatch), Git, Docker, Kubernetes, Jenkins, Linux

PROJECTS

DevConnect | React, Redux, Node, Express, MongoDB, Postman, Heroku
- Built a **3-tier** application & an **Express.js API** with 20+ endpoints and conducted end-to-end testing for API
- Leveraged **JSON Web Tokens** to prevent unauthorized access; Integrated CRUD operations over **MongoDB**
- Upgraded app performance using **Redux** to cut down on unnecessary re-render of over **30 React components**

Student Survey App | Angular, AWS, DynamoDB, Jenkins, Rancher, Git, REST, JPA, Hibernate
- Devised a **containerized component-based** software utilizing cloud technologies and a **NoSQL** database
- Enabled **DevOps** via **CI/CD** pipelines; Deployed app on **Kubernetes** with 2 parallel pods for reliability
- Hosted services on **AWS EC2** instances with **load balancing** and **auto scaling** techniques to prevent bottle necks

Tic-Tac-Toe and Chess AI | Python, Java
- Developed AIs for aforementioned games to implement **Minimax** & **Alpha-Beta Pruning** algorithms
- Experimentally proved theoretical values of **run-time optimality** for both AIs discovering a **95%** optimality gap
- Provided a well-documented report and received a full score (100) for the project

Graph Library | C
- Wrote a C library to support operations on directed & weighted **graphs**, totalling **20+** functions
- **Placed 1st** on student leaderboard with regards to average run-time of library and number of testcases passed

Voting Portal | Bootstrap, Javascript
- Took initiative to establish a software for a standardized voting process, entailing student elections in the college
- Provided a secure **web application** for fair voting and an accompanying portal to view results
- **Improved efficiency** of collecting votes overall by **50%**; Recognized and **awarded** by professors for work done