ADITYA SARIN

Blacksburg, VA 24060, USA |(540) 824-8347| aditya28sarin@gmail.com |aditya28sarin.github.io |linkedin.com/in/a2s

EDUCATION

Master's Computer Science   *08/2021 – 05/2023*
Virginia Tech | Blacksburg, Virginia   **GPA: 4.0/4.0**
B. Tech Electrical Engineering   *07/2017 – 05/2021*
NMIMS | Mumbai, India   **GPA: 3.7/4.0**

EXPERIENCE

Software Engineering Intern | **Oracle** | Reston, Virginia   *05/2022 – 08/2022*

- Accelerated the onboarding using Ansible to automate, setting up the environment on personal workstation.
- Introduced tenancy management feature to adapt content based on user selection using ReactJS and Typescript.
- Built redux store to manage **6** hosted application's state also deploying the integrated app using Kubernetes.

Graduate Research Assistant | **Wireless @ VT** | Blacksburg, Virginia   *01/2022 – 05/2022*

- Devised a multi client-server file transfer system using socket for 5G network systems to reduce latency by **15%**
- Automated the file transfer system to send multiple CSV and binary files within **3-machine** architecture over 5G network.
- Designed a user-end GUI management interface in Python for user to query, generate and get results from the database.

Software Engineering Intern | **Futuryze Digital** |Mumbai, India   *01/2021 – 07/2021*

- Worked with senior developers on API development using PostgreSQL thereby linking **25** API endpoints from Agora.
- Used ReactJS to connect GraphQL API with backend application, integrating Hasura and enhancing site speed by **23%.**
- Combined RPG desktop website with mobile version using SASS, thereby driving traffic with a boost of **20%**.

Software Developer Intern | **Symphony Fintech** | Mumbai, India   *05/2019 – 07/2019*

- Programmed XTS platform using AngularJS and JQuery along with socket.io that attracted **12,000** traders in 2 months.
- Documented **100%** of the technical specifications and wrote **50+** unit tests to verify user functionality.
- Converted **50+** wireframes into CSS and JavaScript code with Bootstrap, JQuery and MaterialUI.

SKILLS

Web: HTML, CSS, SASS, React, Angular, Node, Django, Bootstrap, Web services, HTTP, DOM, AJAX, Figma, Wildfly, Redux, Nest
Programming: C, C++, Python, JavaScript, Java, Dart, Typescript
Database: MySQL, MongoDB, PostgreSQL, Flyway
Others: AWS, Unit Testing, REST, GraphQL, Git, Firebase, Docker, JSON, Kubernetes, Agile, Linux, Object Oriented Design

PROJECTS

Ride Now – Ride Sharing Application

- Created an application employing Java EE with MySQL CRUD operations, connecting to Primefaces and hosted on AWS.
- Implemented **15+** functionalities including, signup, creating a ride feature, finding a ride, photo upload, forgot password.
- Integrated **3 REST APIs** with the application, including google distance calculation and Geolocation map API.
- Incorporated ride analytics feature to keep track of **top 5** riders registered, longest and shortest rides completed.

Accentuate E - Commerce

- Built a large-scale app using ReactJS and Redux that keeps track of **50+** products with a backend of Django.
- Operated admin and user auth to create products, register, browse products, place orders and leave ratings.
- Maintained traffic of more than **200** weekly users and more than **80** registered members with **50+** orders.

Full Stack Blogging Application

- Designed the frontend using ReactJS connecting it to MongoDB database, hosted on digital Ocean server with NGINX.
- Added login feature using JWT and social login with SEO friendly blogs, meta descriptions, **10+** tags and **5** blog categories.
- Revamped with admin CRUD operations to combine with **7** extra features including comments and pagination.

LEADERSHIP & ACHIEVEMENTS

- Earned **Student Ambassador Award** for Class of 2021, thereby ranking **1st** in the department.
- Managed team to develop and **publish** a "Convolutional Neural Network" algorithm to classify **21,000** waste images.
- **Co-headed** the technical department for 2 years, representing the university in **3** international level competitions.
- **Published** research on Cryptographic algorithms involving Encryption and Decryption techniques in IoT network devices.