NAVYA ALAM

Charlotte, NC (Open to relocation) | P: +1 (704) 232-0086 | navyaalamm@gmail.com | LinkedIn | GitHub

EDUCATION

UNIVERSITY OF NORTH CAROLINA, CHARLOTTE, NC   Dec 2023
Master of Science, Computer Science   GPA – 4.0/4.0
- **Academic Coursework:** Algorithm and Data Structures, Database Systems, Network Based Application Development, Intelligent Systems

SASTRA DEEMED TO BE UNIVERSITY, THANJAVUR, INDIA   Jul 2021
Bachelor of Technology, Information Technology   GPA – 8.4/10.0
- **Academic Coursework:** DBMS, Java, Google Cloud Platform,, Object-Oriented-Programming (OOP),Computer Networks, Web Development

WORK EXPERIENCE

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE   Charlotte, NC
Graduate Teaching Assistant   Jan 2023 – Dec 2023
- Mentored students in the development of diverse Network-Based Applications using **Node.js and React**, providing hands-on support in debugging and issue resolution.
- Facilitated project selection and refinement, offering expertise in transitioning applications to **Next.js** for enhanced efficiency, performance, and streamlined development workflows.

ACCENTURE SOLUTIONS PVT LTD   Bangalore, India
Application Development Analyst   Jul 2021 – Aug 2022
- Developed **AngularJS 1.4.5 and Spring Boot** web apps for ecommerce clients, **enhancing UI/UX** and **boosting user engagement** by **20%**.
- Designed **server logic** in **Java**, managing **SQL databases**. crafted **REST/SOAP services** for **efficient CRUD operations**.
- Enhanced advanced **search functionality with Elasticsearch**, yielding a **20% gain in app performance** and **data retrieval efficiency**.
- Utilized **Spinnaker** for efficient **web application deployment**, enabling **rapid** product iteration and **responsive service**.
- Conducted **Unit testing** with **JUnit and Mockito**, achieving **90% code coverage** ensuring early detection of potential issues in the software development lifecycle and significantly **reduced API response times**.

PLUGXR   Bangalore, India
Full Stack Software Engineer   Jun 2020 – Jun 2021
- Built **Java** and Python-based utilities to automate data accuracy verification for an OEM client, which decreased the run time by **80**% and reduced manual intervention.
- Orchestrated **AWS-based** application deployments (**EC2, S3, Lambda, CloudWatch**) to enhance **scalability and reliability**.
- Enhanced app performance by implementing **Spring Boot** caching, reducing **MongoDB** calls **by 50%** and increasing throughput.
- Developed interactive **Angular-based** web applications, optimizing user interaction and **Restful API** integration, along with proficient project management using **Jira, GIT, Bitbucket, and Agile** methodologies.

SV.CO/PUPIL FIRST   Bangalore, India
Web Developer Intern   Jan 2020 – May 2020
- Developed **dynamic web apps** using **Java, Spring Framework, and Hibernate ORM**, resulting in **30%** better search efficiency.
- Utilized **HTML, CSS, and JavaScript** to **create intuitive and visually appealing user interfaces**, enhancing mobile user engagement by 25%.

PROJECTS

CURRENCY TRADING APPLICATION (COURSE PROJECT)
- Designed an interactive currency trading app with **Node.js and Mongoose**, using **MongoDB** for data storage and **EJS** for **dynamic UI**, **enhancing user experience** and **reducing transaction time to <0.1 seconds**.

COMPREHENSIVE E-WALLET MICROSERVICES PLATFORM
- Developed a full-stack **MERN Stack web application**, integrating **Stripe** for payment processing and built custom **AMI** with **Packer**, achieving **99% EC2 instance automation and reducing manual work by 90%.**

LEADERSHIP EXPERIENCE

COORDINATOR, SCANIT, SASTRA UNIVERSITY
- Led ScanIT tech fest managing logistics, budgeting, and marketing, while conducting open-source workshops and educational activities for peer learning, showcasing leadership skills.

VOLUNTEER, SASTRA HOPE
- Aided in **Covid-19's second wave** by distributing info on hospital beds and vaccinations, **supporting community health**.

SKILLS

Programming and Development: Java ,JavaScript, Python, SQL, C, C++, HTML, CSS, REST API.
Cloud Computing and Networking: Kubernetes, Docker, Cloud Infrastructure Management, GCP, Load Balancing.
Backend Development and Tools: MySQL, AWS Redshift, AWS EC2, Putty, MySQL Server, Teradata.
Operating Systems and Version Controls: UNIX, Linux, Windows, Git, SVN, Jenkins, UDeploy.

CERTIFICATIONS

AWS Developer Associate - Aug 2023   **Programming, Data Structures and Algorithms using Java** - NPTEL, Fall 2020