

EDUCATION

Master of Science in Computer Science, *George Mason University (GPA: 3.93 / 4.00)*

Aug 2022 - May 2024

Bachelor of Engineering in Computer Science *Visvesvaraya Technological University*

Aug 2016 - Aug 2020

TECHNICAL SKILLS

- **Programming Languages** : Java, J2EE, HTML, Python, C, CSS, SQL, JavaScript
- **Frameworks & Libraries**: Spring Boot, Spring MVC, Spring JPA, RESTful Web Services, Hibernate, Bootstrap
- **Databases**: MySQL, MongoDB, Oracle, SQL Server
- **Tools & Platforms**: GitHub, AWS (S3, EC2, RDS, Route 53), Postman, VS Code, Eclipse, Junit, Docker, Kubernetes, Jenkins, JSON

WORK EXPERIENCE

Changing the Present

United States

Software Engineer Intern

Aug 2024 - Present

- Develop a scalable **mentorship platform** on **Shopify**, enabling students to connect with mentors through **advanced filtering**, **secure messaging**, and community engagement tools.
- Engineer the **backend** architecture using **AWS Lambda** for **serverless functionality**, integrating **AWS RDS (MySQL)** for robust **data management**, resulting in efficient, cost-effective platform operations.
- Deliver seamless **frontend** customization using **HTML**, **CSS** and **JavaScript**, enabling intuitive navigation and functionality, enhancing user engagement by **35%**.

Cognizant Technology Solutions

Bangalore, KA, India

Junior Software Engineer

Dec 2020 – July 2022

- Developed and optimized **microservices** using **Java**, **Spring Boot**, and **Hibernate ORM**, improving **data retrieval speed** by 20% and **database query performance** by 25%.
- Engineered **custom repository methods** with **Spring Data JPA**, streamlining data management processes, boosting efficiency by 30%.
- Enhanced **REST API security** with **Spring Security & JWT**, increasing **data access speed** by 40% and protecting sensitive information.
- Implemented **transactional annotations** and advanced **logging techniques**, reducing incident resolution time by **15%** and improving system diagnostics.
- Collaborated with **cross-functional teams** to address critical system issues, enhancing **stability** and boosting operational **efficiency**.
- Spearheaded **backend on-call rotations**, troubleshooting complex issues with Autosys, resulting in a **25%** reduction in **application downtime** and enhanced system reliability.

Padmajeet Infotech

Belgaum, KA, India

Android Developer Intern

July 2019 – Oct 2019

- Crafted and optimized features for a **native Android e-commerce application**, improving app performance by **30%** using **advanced debugging** and efficient data handling with **Hibernate ORM**.
- Constructed **backend** components using **Apache Tomcat and Java**, ensuring smooth integration and efficient data management.
- Executed all phases of the **Agile development** process, enhancing **project delivery** and **team collaboration**, leading to a **25%** increase in user satisfaction.
- Ensured **code quality** and **system scalability** by adhering to **enterprise-level standards**, conducting thorough **code reviews**, and reducing testing time by **40%** using **Postman and JUnit**.

PROJECT EXPERIENCE

Survey Form - DevOps project | *HTML, CSS, MySQL, Spring Boot, AWS, Docker, Jenkins, Kubernetes* 

Oct 2023 – Dec 2023

- Dockerized a **web application** and orchestrated its deployment on **Kubernetes** for enhanced **scalability** and **resilience**.
- Developed **Spring Boot Microservices** for student survey data management, implementing **CRUD operations** on **Amazon RDS/MySQL**.
- Configured **Kubernetes Ingress** with **Nginx** for seamless DNS management and access to the application.
- Established a **CI/CD pipeline** using **Jenkins**, **Rancher**, and **AWS**, automating deployment with **GitHub** integration.

Smart City App | *XML, Java, Google Firebase, RESTful API, Postman, Google Places API* 

Feb 2020 – May 2020

- Led the development of a **smart city Android app**, revolutionizing **daily life management** for residents by integrating real-time information, emergency services, utility management, and bill payments, resulting in a **40%** surge in **user engagement**.
- Orchestrated team efforts to enhance **utility information access**, boosting user productivity by **25%** through the integration of **RESTful APIs** and **Google Firebase**.
- Engineered a seamless user experience with **XML** for UI/UX design, robust business logic using **Java**, and efficient data handling with **Google Firebase**, enabling single-click logins via **Google** and **Facebook**.

Word Predictor - Java/DBMS Project | *Java, J2EE, SQL, MySQL, DBMS, JDBC, Apache Tomcat* 

Nov 2018 – Dec 2018

- Demonstrated **Java/J2EE app development**, integrating **DBMS** for seamless performance.
- Improved **next-word prediction** using advanced **data structures and algorithms**, and enhanced app responsiveness with efficient **SQL data storage**.
- Utilized **Tomcat** for server-side component implementation, ensuring seamless integration with front-end technologies.