

## EDUCATION

### Master of Science in Computer Science

San Diego State University, USA

Aug 2022 - May 2024

GPA: 3.82/4

### Bachelor of Engineering Computer Science

Visvesvaraya Technological University, India

Aug 2015 - May 2019

GPA: 3.4/4

## WORK EXPERIENCE

### Graduate Research Assistant

May 2023 - Present

San Diego State University, USA | Python, NumPy, NLP, LLM, BERT, Data Visualization

- Conducted 200+ tests on the Q&A system, achieving a 95% reliability rate for accurate resource categorization, and enhancing research paper analysis.
- Conducted an extensive literature survey on the Medical Q&A system using transformer-based models, resulting in a 40% increase in efficiency for matching questions with relevant models and datasets.

### Software Engineer

Dec 2019 - Aug 2022

Atos Syntel, India | Angular, Sprint Boot, Java, PostgreSQL, Microservices, Kafka, Hibernate, Docker, JavaScript.

- Engineered a comprehensive full-stack solution utilizing Angular and Spring Boot, enabling real-time data processing and enhancing user experience for 2M daily users, showcasing exceptional scalability and performance capabilities.
- Implemented robust RESTful API services capable of handling over 500K concurrent requests, significantly improving data delivery to front-end applications and optimizing system responsiveness and efficiency.
- Led the strategic integration of Azure App Services for seamless deployment and maintenance workflows, achieving a continuous integration/delivery pipeline with 100% uptime.
- Mentored a team of 10 junior developers in React and modern development practices, fostering a collaborative and knowledge-sharing culture within the team, which contributed to improved productivity and innovation.
- Achieved an impressive 86% code coverage, demonstrating a commitment to quality and robust testing methodologies, and adopted Log4J for advanced logging, tracing messages, and debugging processes.

### Web Developer Intern

Jun 2018 - Dec 2018

Microfocus Technologies, India | HTML5, AJAX, JavaScript, Git, CSS

- Led a cross-functional team in employing ReactJS to create user-centered front-end interfaces, resulting in a 15% increase in customer engagement and a 50% enhancement in application efficiency through agile methodologies.
- Revolutionized web application efficiency by fixing bugs and introducing upgrades that led to a 70% increase in system efficiency and user satisfaction.

## TECHNICAL SKILLS

**Languages/Frameworks:** Java, C#, Python, C++, JavaScript, Hibernate, Angular, Spring (MVC, Boot), Golang, Swift

**Front-end Technologies:** MERN Stack-ReactJS, NodeJS, HTML5, CSS 3, Bootstrap, Angular, jQuery, AJAX, JSP, Servlet, PHP

**Database Systems:** MySQL, PostgreSQL, MongoDB, PL/SQL, DynamoDB

**Tools:** IntelliJ, VS Code, NetBeans, Spring Tool Suite, MySQL Workbench, Postman, Confluence, Swagger

**Testing & Technologies:** JUnit, Mockito, Selenium, Jenkins, AWS, Kubernetes, Docker, Git, GitHub, Material UI, Apache, Jira, Kafka

**Certifications:** AWS Developer Learning Plan, Complete 2024 Web Development Bootcamp

## ACADEMIC PROJECTS

### Flight Management System | Angular, ASP .NET, JavaScript

Jun 2022 - Dec 2022

- Developed a robust Flight Management System, showcasing expertise in .NET Core application development, from initial setup to deployment, emphasizing scalable and maintainable code practices.
- Configured and managed web hosting for the application using ASP.NET Core's built-in web host, ensuring seamless deployment and improving data retrieval speed by 40%.

### Human Resource Management System | Java, MySQL, UI/UX

July 2016 - Dec 2016

- Designed and incorporated a secure, user-friendly database system to store, manage, and retrieve employee data efficiently, supporting various HR functions.
- Addressed conventional system limitations by reducing data redundancy, ensuring immediate information retrieval, and maintaining a high accuracy of 95% and reliability in data management.

## AWARDS AND ACHIEVEMENTS

- Certificate of Appreciation** at STELLANTIS - Atos Syntel.
- Certificate of Inspiring** - SDSU Research Foundation for exceptional project management and innovation solution delivery.
- MIS Teaching Assistant and Instructional Student Associate** - SDSU Fowler College of Business: Object Oriented Programming, Decision support system, Business System Analysis and Design, Data Structures, and algorithms.