

DIVYA DARSHI

📍 Richardson, TX (willing to relocate) / ✉ divyadarshi11@gmail.com / 📞 9373293808 / [GitHub](#) / [LinkedIn](#)

EDUCATION

The University of Texas at Arlington (UTA)

Master of Science in Computer Science / GPA: 3.42

- **Relevant Coursework:** Machine Learning, Cloud Computing, Design Analysis & Algorithm, Web Data Management, Data Mining, Computer Networks, Software Engineering, Database, Data Structures

Arlington, Texas

Aug 2022 - May 2024

Chandigarh University (CU)

Bachelor of Engineering in Computer Science

Mohali, India

Aug 2017 - July 2021

SKILLS

Programming Languages: Java, Python, SQL, JavaScript

Databases & Cloud Technologies: MySQL, Oracle, Apache Spark, AWS

Frameworks & Libraries: Spring Boot, Flask, React JS, Node JS, RESTful APIs, Deep Learning Models

DevOps & Other: Git, Jira, Tableau, Postman, Junit, Kafka, Microservices Architecture, Microsoft Office Suite

WORK EXPERIENCE

The University of Texas at Arlington (UTA)

Research Assistant

- Refine experimental platforms by customizing software environments to enhance data accuracy and operational efficiency for research projects.
- Leverage Java libraries such as Apache POI and JFreeChart to generate detailed reports and visualizations, enhancing research insights and data presentation.
- Streamline data entry workflows in Java, improving operational efficiency by 30%, and conducting automated testing using JUnit to ensure code reliability.

Arlington, Texas

July 2023 - Present

VectorInteractive Studios Pvt Ltd

Web Developer

- Built dynamic, responsive ReactJS interfaces, transforming website functionality and increasing user engagement by 25%.
- Utilized React hooks to optimize performance and reusability of components, leading to a 30% reduction in codebase size and maintenance effort.
- Optimized REST API endpoints using Spring Boot, enabling efficient data exchange and improving backend functionality, which enhanced system performance by 25%.
- Automated testing processes using Selenium, improving test efficiency and ensuring consistent application performance, resulting in a 30% reduction in bugs and higher system reliability.

Chandigarh, India

Aug 2021 - Aug 2022

Extech Digital

Industrial Trainee

- Developed a fully functional website using Python, showcasing strong web development skills and enhancing user experience.
- Engineered the backend with the Flask framework, streamlining server-side processes and boosting website performance by 20%.
- Enhanced backend databases by writing complex SQL queries, increasing data retrieval efficiency and reducing load times by 15%.
- Conducted cross-browser compatibility testing with Selenium, ensuring consistent performance and increasing user engagement by 30%.

Mohali, India

May 2019 - June 2019

PROJECTS

ScholarSpace

- Crafted a dynamic learning management system with **HTML**, **CSS**, **ReactJS**, **PHP**, and **MySQL**, building bespoke modules for Student, Instructor, Admin, Quality Assurance Officer, and Program Coordinator roles.
- Employed **generative AI** to develop practice tests that personalized learning, contributing to a more effective study environment.

Location App Positioning System

- Led the development of LAPS, a **Java** project, using the **Google Maps API** for real-time location tracking.
- Designed user-friendly interfaces that facilitated seamless real-time location sharing among users.
- Directed the project lifecycle, ensuring timely and efficient completion while maintaining high-quality standards.

E-commerce Sentiment Analysis

- Executed sentiment analysis on 10,000+ product reviews using Natural Language Processing (**NLP**) techniques, achieving 85% accuracy in categorizing customer feedback.
- Integrated sentiment analysis on product reviews using Latent Dirichlet Allocation (**LDA**) topic modeling and **WordClouds**, employing **Python** and **Tableau** to design an interactive dashboard that enabled data-driven business decisions.

ReactJS Projects Portfolio

- Created 5 mini projects to master **ReactJS** concepts, including an IP Address Finder, Food Recipe App, and more, showcasing strong proficiency in components, hooks, and API integration.