

SHARADHA SHIVAKUMAR

s20@gmu.edu | [LinkedinProfile](#) | [GithubProfile](#) | [Personal Portfolio](#)

OBJECTIVE

Passionate Software Developer eager to contribute innovative coding skills and collaborative expertise to drive transformative solutions.

EDUCATION

George Mason University

Fairfax, VA

Master of Science (MS) Computer Science-

Expected Graduation - **May 2024**

Relevant Courses: Mathematical Foundation in CS, Theory and Application of Data Mining, Fundamentals of System Programming, Decision Making and Reinforcement Learning, Software Testing, Software Engineering for WWW

, Database Management Systems, Analysis of Algorithms, Software Design and Architecture, Decision Guidance Systems

Anna University

Chennai, India

Bachelor of Engineering (BE) Computer Science and Engineering May 2021

CGPA: 8.85/10 **First Class with Distinction Pass**

SKILLS

- **Proficient Programming Languages**-Python, C, Oracle SQL
- **Familiar Programming Languages**- Java, C++, C sharp, ASP Dotnet, JSP, Entity Framework, JDBC, jQuery, Git
- **Frontend Technologies**- HTML, CSS, JavaScript, Bootstrap, Ajax, React JS, Angular
- **Backend Technologies**- SQL, Node JS, Mongo DB, RESTful APIs
- **Software Testing**- JUnit Testing, Cucumber Testing, Input Space Coverage, Graph Space Coverage, Logic Coverage
- **Development Framework and Tools:** Eclipse, Microsoft Visual Studio, IDE, Oracle, NetBeans, Android Studio, GitHub, Google OR-Tools, Probabilistic Roadmap (PRM), Jira, Spring Boot
- **Data Analytics**- Matplotlib, NumPy, Pandas, seaborn, Scikitlearn, JupyterNotebook, NLTK
- **Cloud Platform**- AWS, Microsoft Azure
- **Containerization Technology:** Docker
- **Microsoft Dynamics 365:** MB900, MB910

WORK EXPERIENCE

Programmer Analyst Trainee, Cognizant Technology Solution

Aug 2021-Apr 2022- Chennai, India

- **Role**-Microsoft CRM Developer.
- Collaborated with business analysts to customize Microsoft CRM, develop workflows, and configure Dynamics CRM using JavaScript and CRM SDK.
- Managed project documentation and Jira tickets, ensuring efficient development and issue resolution.
- Leveraged technical skills including Microsoft Dynamics MB-910, MB-900, JavaScript, C#, and web development to deliver robust solutions.
- Achieved a 25% project productivity increase through effective communication and collaboration with the development team.

Software Developer Intern, Mediawings Bahrain WLL

Sep 2020-Dec 2020- Bahrain

- Collaborated with marketing at a startup company to align technical solutions with data-driven insights, optimising web content and enhancing user experience through responsive web development (HTML, CSS, JavaScript, Angular, Node JS).
- Improved website SEO based on data insights, ensuring cross-device compatibility and code optimisation, resulting in a verified 85% increase in organic search traffic.

PROJECTS

Flight Operations Management System -

George Mason University-April 2023

- Developed a Java-based Oracle SQL testing app using Java Swing for multi-airport flight operations.
- Ensured meticulous testing precision and reliability, contributing to the efficiency of flight operations.

Enhancing Fire Safety: Q-Learning + A Search Pathfinding -

George Mason University-Dec-2023

- Spearheaded an innovative project focused on fire safety, developing a dynamic Q-Learning model in Python.
- Achieved a remarkable 97% accuracy in adaptable pathfinding during fire crises, showcasing precision and reliability.
- Utilized Python for A* in pre-fire scenarios, demonstrating adaptability to dynamic conditions and reinforcing a data-driven problem-solving approach.

Full-Stack Portfolio Website -

George Mason University-Nov-2023

- Designed and implemented a captivating full-stack portfolio website using HTML, CSS, JavaScript, AJAX, Bootstrap, Angular, and React.
- Implemented a robust backend with RESTful Web Services, JDBC, and Spring Boot, enhancing the website's functionality and user experience.