FNU SHARADHA SHIVAKUMAR

sharadhashivakumar04@gmail.com| California(Open to relocation) |LinkedinProfile|GithubProfile |Personal Portfolio|Leetcode

PROFESSIONAL SUMMARY

Recent Master's graduate in Computer Science with hands-on experience in software engineering, machine learning, and cloud technologies, eager to apply my skills in a dynamic, growth-oriented environment

EDUCATION

George Mason University   *Fairfax, VA*
Master of Science in Computer Science   **May 2024**
Relevant Courses: Decision Making and Reinforcement Learning, Software Testing, Software Engineering for WWW, Database Management Systems, Analysis of Algorithms, Software Design and Architecture, Decision Guidance Systems
Rajalakshmi Engineering College, Anna University   *Chennai, India*
Bachelor of Engineering in Computer Science and Engineering   **May 2021**
Relevant Courses: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming

SKILLS

- **Programming Languages and Databases:** Python, C, Oracle SQL, Java, C#, T-SQL, NoSQL
- **Web Development**: HTML, CSS, JavaScript, Bootstrap, Ajax, React JS, Angular, TypeScript, .NET, Flask, Node.js, jQuery
- **Testing:** JUnit, Cucumber, Input Space Coverage, Graph Space Coverage, Logic Coverage
- **Frameworks/Tools:** Eclipse, VS Code, Oracle, NetBeans, Apache Tomcat, Maven Android Studio, Spring
- **Version Control:** Git
- **Web Services and Data Formats:** SOAP, REST, XML, JSON
- **Machine Learning Models:** K-Nearest Neighbors (KNN), Random Forest, Naive Bayes, BERT, Sentence Transformer, Word2Vec
- **Data Analytics:** Matplotlib, NumPy, Pandas, Seaborn, Scikitlearn, Jupyter Notebook, NLTK, scikit-learn, matlab
- **Cloud & Containerization:** AWS, Docker, Kubernetes
- **CRM Tools:** Microsoft Dynamics CRM, Salesforce

EXPERIENCE

Cognizant Technology Solution   **Aug 2021 - Apr 2022**
Programmer Analyst Trainee   *Chennai, India*
- Developed custom workflows as Microsoft CRM Developer, reducing manual data entry by 40% and improving sales team efficiency.
- Optimized project documentation and JIRA ticket management, resolving issues 1.3 times faster.
- Engineered custom JavaScript and C# plugins for a lookup field in the sales team lead creation form, resulting to a 20% increase in user data entry speed and a 25% improvement in overall project productivity.
- Leveraged technical skills including Microsoft Dynamics CRM, Object-Oriented Programming, Oracle SQL, HTML, CSS, ASP.NET and MVC to deliver robust solutions, and utilized Postman API for testing and development purposes.
- Enhanced team collaboration through strong verbal and written communication skills, utilizing platforms like Slack and Microsoft Teams to facilitate effective team communication and coordination.

Mediawings Bahrain WLL   **Jul 2020 - Dec 2020**
Software Engineer   *Manama, Bahrain*
- Improved website visibility and user engagement by implementing SEO strategies, leading to an 85% increase in organic search traffic.
- Conducted over 20 code reviews, ensuring adherence to best practices and code quality throughout the SDLC.
- Engineered web solutions to enhance user experience, leveraging CI/CD pipelines for efficient deployments.

PROJECTS

Job Recommendation System   **May 2024**
- Enhanced job matching platform with Flask, Pyomo, and 4 ML models, increasing accuracy from 28% to 98% and improving user experience with GIS-based recommendations.

Enhancing Fire Safety   **Dec 2023**
- Directed a team of 3 in developing a fire safety initiative, achieving 97% accuracy in finding the fastest escape route using a hybrid of Q-Learning and A* search algorithms.

Dynamic University Website with Enhanced User Experience   **Nov 2023**
- Containerized and deployed a revitalized university website on AWS and using Docker, Angular, HTML, CSS, JavaScript, and Spring Boot, reducing page load time by 45% and enhancing user experience.

Flight Operations Management System   **May 2023**
- Developed a Java-based Oracle SQL testing Android Mobile Application for multi-airport flight operations, managing data for over 100 passengers, thus showcasing proficiency in cross-platform development and database management.

Architecting an Educational IT Enterprise   **Apr 2023**
- Led the design and implementation of an IT enterprise software system for the education sector, emphasizing service-oriented architecture (SOA) and utilizing UML diagrams, which increased system scalability and efficiency by 20%.

Sentiment Analysis   **Sep 2022**
- Conducted extensive experimentation with various NLP algorithms and implemented sentiment analysis on movie reviews, ultimately achieving a classification accuracy of 94% using the KNN algorithm and performed data visualization.