ARUNA MURUGESAN

Dallas, Texas | (316) 312-1887 | arunamurugesan03@gmail.com |LinkedIn |GitHub |Portfolio

WORK EXPERIENCE

Software Engineer   **Aug'23- Present**
V3 Tech Solutions, McKinney, Texas
- Built a responsive ReactJS front-end with HTML, CSS and JavaScript connected to a Node.js/Express.js back-end with REST APIs.
- Led the design and development of a compliance dashboard, resulting in a 30% increase in reporting efficiency.
- Optimized release cycles using Gitlab CI/CD, reducing downtime by 15%, and managed source code repositories with Git.
- Migrated our web application form on-premises to AWS, boosting scalability and performance.
- Managed and tracked project workflows with JIRA using agile methodology and monitored application health using Grafana.

Software Developer Intern   **Apr'24- Jul'24**
Porter Lee Corporation, Schaumburg, Illinois
- Enhanced Porter Lee's Evidence Management System with REST APIs using the Delphi Framework.
- Improved data security with JWT-based authentication and authorization protocols.
- Increased system performance by 20% through SQL query optimization and caching.
- Involved in the development of android mobile application in Java and .NET, boosting data efficiency by 30%.
- Facilitated seamless integration and understanding for developers by creating detailed API documentation using Swagger.

Software Developer Intern   **Jan'21- Jun'21**
Kaashiv InfoTech, Chennai, Tamil Nadu
- Contributed to a responsive, cross-browser-compatible, e-commerce web page using ReactJS.
- Maintained comprehensive documentation, including code, API documentation, and deployment environment.
- Optimized the application state management, resulting in a 20% increase in overall performance and user satisfaction.
- Utilized project management tools like Agile, Scrum, and JIRA and was able to troubleshoot problems on various projects.
- Collaborated with the team to implement new features, reducing page load time by 15%.

Data Analyst Intern   **Aug'19-Dec'20**
UNIQ Technologies, Chennai, Tamil Nadu
- Conducted exploratory data analysis on large datasets, identifying trends and patterns to support business decision-making.
- Identified outliers and anomalies using statistical techniques, improving data quality.
- Created dashboards with Tableau, streamlined data presentation, and provided actionable insights.
- Performed data visualization based on the analytical needs of the organization and participants.

PROJECTS

Hospital Portal | *Java, Spring Boot, React JS, Tailwind CSS, MySQL*   **Sep'24**
- Developed a secure, high- performance full-stack microservice application using Spring Web Flux.

Airbnb Clone | *React, Tailwind CSS, Express.js, MongoDB*   **May'24**
- Built a full-stack application with user authentication, booking, and real-time filtering.

AI Summarizer Application | *React, Tailwind CSS, Redux, REST APIs*   **Feb'23**
- Built Created an AI Application for streamlined text summarization with API integration.

Online election System | *React, Material UI, Redux, Git*   **Jan'23**
- Developed a responsive Single-Page Application for election system, enhancing user experience and data retrieval.

Credit Card Fraud Detection | *Python, Pandas, NumPy, Matplotlib, Seaborn*   **Dec'22**
- Implemented a Fraud Detection model with KNN yielding 94% accuracy.

Breast Cancer Prediction | *Python, Pandas, NumPy, Matplotlib,* Seaborn   **Oct'22**
- A breast cancer prediction model, achieving 96% accuracy and 95% cross-validation score with Random Forest.

SKILLS

- **Programming Language:** C/C++, C#, Java, Python, JavaScript (ES6+), TypeScript, SQL
- **Web Development:** HTML, CSS, Tailwind CSS, Spring MVC, Spring Boot, Spring Web Flux, Spring Security, React, Redux, Node JS, Express JS, Delphi, REST API, CI/CD, Grafana
- **Development Tools:** Visual Studio Code, Chrome Developer Tools, Azure Data Studio, Jupyter, Docker, Kubernetes, Git
- **Database/Cloud:** AWS, GCP, SQL Server, MongoDB, PostgreSQL
- **Machine Learning/Data Analysis:** Python- SciKit Learn, Seaborn, Pandas, NumPy, Matplotlib, Tableau, Excel
- **Operating Systems:** Windows, MacOS, Linux

EDUCATION

Master of Science in Computer Science (GPA: 3.7/4.0)   **May'23**
Wichita State University, Kansas

Bachelor of Technology in Information Technology   **May'21**
Anna University, Chennai, India

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Meta Front-End Developer Certification
- HackerRank Advanced SQL Certification
- Machine Learning Specialization by Stanford University