ARUNA MURUGESAN

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SKILLS

- **Programming Language:** JavaScript (ES6+), TypeScript, Python, Java, SQL, C/C++
- **Web Development:** HTML5, CSS, Tailwind CSS, React, Redux, Material UI, Node JS, Express JS, Delphi, REST API, CI/CD, Scrum, JIRA, Jenkins, jQuery, Bootstrap, Webpack, Spring MVC, Graph QL, Babel, Postman, Grafana
- **Development Tools:** Visual Studio Code, Chrome Developer Tools, Azure Data Studio, Jupyter, Docker, Kubernetes, Git
- **Database/Cloud:** Amazon Web Services, Azure Data Factory, Azure Databricks, Microsoft SQL Server, MySQL, PostgreSQL
- **Machine Learning/Data Analysis:** Python- SciKit Learn, Seaborn, TensorFlow, Pandas, NumPy, Matplotlib, Tableau, Excel
- **Operating Systems:** Windows, MacOS, Linux

WORK EXPERIENCE

Software Engineer   **Aug'23- Present**
V3 Tech Solutions, McKinney, Texas

- Analyzed, designed, and developed our client's compliance dashboard using Agile development methodology delivering regular updates to the business team and project manager.
- Built a responsive ReactJS front-end connected to Node.js/Express.js back-end servers. Developed server-based applications, implemented efficient routing, and created RESTful APIs for integration.
- Utilized Gitlab CI/CD to optimize release cycles with minimum downtime and managed source code repositories with Git.
- Migrated our web application form on-premises to AWS, boosting scalability and optimized performance.
- Managed and tracked project workflows with JIRA and monitored application health and logs using Grafana.

Software Developer   **Apr'24- Jul'24**
Porter Lee Corporation, Schaumburg, Illinois

- Designed and Implemented RESTful APIs using Delphi Framework to enhance Porter Lee's Evidence Management System.
- Developed authentication and authorization protocols with JWT, ensuring secure data transmission.
- Created detailed API documentation using Swagger, enabling seamless integration and understanding for developers.

Software Developer Intern   **Jul'20- May'21**
UNIQ Technologies, Chennai, Tamil Nadu

- Contributed to the development of a responsive and cross-browser-compatible, e-commerce web page using ReactJS.
- Engaged in JavaScript DOM manipulation, the object model, asynchronous programming and promise handling.
- Maintained up-to-date documentation, including code documentation, API documentation, and deployment environment.
- 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%.

PROJECTS

AI Summarizer Application | *React, Tailwind CSS, Redux, Git, REST APIs*   **Feb'23**

- Developed an AI App using React, which effortlessly integrated APIs for streamlined text summarization on the front-end.
- Implemented dynamic API calls upon user initiation, ensuring real-time and efficient text summarization.

Election System | *React, Material UI, Redux, Git*   **Jan'23**

- A web-based election system, incorporating Single Page Application for seamless user experience.
- Employed asynchronous programming for efficient data retrieval and updating, enhancing the system's responsiveness.

Credit Card Fraud Detection | *Python, Pandas, NumPy, Matplotlib, Seaborn*   **Dec'22**

- Designed and implemented a Credit Card Fraud Detection system utilizing machine learning classifiers, such as Logistic Regression, Naïve Bayes, K Nearest Neighbors and SVM.
- Achieved a notable accuracy rate of 94% on real-world data, with the KNN algorithm as the top-performing model.

Breast Cancer Prediction| *Python, Pandas, NumPy, Matplotlib, Seaborn*   **Oct'22**

- Created a machine learning model for early breast cancer detection using diverse dataset with clinical & genomic features.
- I utilized Random Forest, Decision Tree, and Logistic Regression, achieving a 96% accuracy and 95% cross-validation score in Random Forest.

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.
- Completed Machine Learning Specialization by Stanford University.