

Arjun Marimuthu Senthil Kumar

Fairfax, VA

msa642884@gmail.com

linkedin.com/in/ms-arjun-61637b230

Summary

Computer Science undergraduate with hands-on experience building backend and full-stack web applications using JavaScript, Java, and REST APIs. Strong foundation in data structures, algorithms, object-oriented programming, and database systems. Demonstrated ability to collaborate in team-based environments, take ownership of tasks, and iteratively improve software solutions. Seeking Software Engineering Internship opportunities for Summer 2026.

Education

George Mason University

Bachelor of Science in Computer Science

Fairfax, VA

Aug 2024 – Dec 2026

Relevant Coursework

Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Software Engineering, Computer Graphics

Experience

Academic Intern

VIT Chennai

Jun 2022 – Dec 2023

Chennai, India

- Designed, implemented, and tested **30+ Java-based programs** as part of structured academic and technical coursework.
- Applied core **data structures and object-oriented programming principles** to solve **20+ programming problems**, focusing on correctness and efficiency.
- Debugged and resolved logical and runtime issues in Java applications, improving program accuracy and meeting strict academic deadlines.
- Collaborated with **5–7 peers** by reviewing code, explaining concepts, and assisting in resolving implementation challenges.
- Demonstrated ownership by independently completing assignments while following structured coding and documentation standards across an **multiple semesters of supervised academic coursework**.

Projects

Internship & Job Application Tracker

Jan 2025 – Present

- Designed and built a backend-focused web application to manage and track internship and job applications.
- Developed and documented **8+ RESTful APIs** using Node.js and Express.js to support core workflows.
- Improved application tracking efficiency by **25%** through optimized API design and data handling.
- Designed a relational PostgreSQL schema to manage **50+ application records**, reducing manual tracking effort by **30%**.

- Iteratively refined filtering and sorting workflows across **4 application states** to improve visibility and usability.

Student Course & Assignment Management System

Feb 2025

- Built a full-stack web application to manage student courses, assignments, and academic deadlines.
- Implemented responsive user interfaces using React.js and Tailwind CSS across **6+ reusable UI components**.
- Developed backend APIs to handle course and assignment data, supporting **100+ records** with reliable access.
- Applied modular design principles to improve maintainability and support future feature expansion.

AI-Powered Resume Feedback Tool

Mar 2025

- Built a web application that analyzes resume content and generates structured feedback using the OpenAI API.
- Designed backend endpoints to process user input and return consistent AI-generated insights.
- Evaluated system output across **20–30 resumes** to validate accuracy and consistency.
- Improved feedback clarity by **20%** through prompt refinement and edge-case handling.

Technical Skills

Languages: JavaScript, TypeScript, Java, SQL

Frontend: React.js, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Databases: PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, VS Code, Postman, Docker (basic)

Cloud & DevOps: AWS fundamentals, CI/CD concepts

Concepts: Data Structures and Algorithms, Object-Oriented Programming, API Design, Software Development Lifecycle