Ali Sayyed

📱 469-955-1847 | ✉ alitsayyed@gmail.com | [LinkedIn](#) | [GitHub](#) | US Citizen

SUMMARY

Software Engineer with over a year of experience in full-stack development, pursuing a Master's in Computer Science at Rice University. Fast learner and problem solver with strong analytical and interpersonal abilities. Skilled in time management and client collaboration, consistently delivering results that surpass expectations.

SKILLS

Technical Skills
- Python, Go (Golang), JavaScript, TypeScript, Python, HTML, CSS, SQL, Java, React, Git, GitHub, N8N, Dockers, Kubernetes, Google App Scripts, VIM, PostgreSQL, MongoDB, REST APIs, gRPC, Agentic Frameworks, AI-Agents, Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Functional Programming, HTTP Networking, Debugging, Problem-Solving, Analytical Abilities

Information Technology
- Operating Systems: Microsoft Windows, Mac OS X & Linux (Ubuntu), Microsoft Office (Word, PowerPoint, Excel), Google Suite (Docs, Slides, Sheets), Adobe (Premier, Photoshop, After Effects)

Communication & Interpersonal
- Excellent Communication Skills, Persuasive Messaging, Active listening, Conflict Management Skills, Team Player, Positive Attitude, Confident Self-Starter, Business Development Mindset

EXPERIENCE

Software Engineer- BRAIN AI   Nov 2024 - Present
- Architect and implement data pipelines using voice AI solutions, reducing manual client processes by ~80%, leveraging our Golang-based microservices hosted on Google Cloud Platform (GCP).
- Develop automated workflows, frontend interfaces, and built custom testing tools— adopted by customer departments.
- Independently mastered complex backend systems, delivered custom automation solutions, and managed direct client communications to ensure satisfaction.

Software Engineer Intern - Legal Pro System   Aug 2024 - Nov 2024
- Worked on full-stack development, enabling lawyers to efficiently manage clients, cases, and communications.
- Developed a real-time chat system using Django and Angular, delivering a WhatsApp Web–like user experience and architected to support 1,000+ concurrent users.

Biomedical Nano-Devices Research Assistant/ Biology TA   June 2018 - May 2021
- Conducted experiments for wearable nano-sensors, supporting biomarker detection studies published in peer-reviewed journals.
- Curated content and led engaging Biology classes, recognized by students and faculty as a top-performing TA.

PROJECTS

Developer Portfolio: https://www.alitsayyed.com

Web Development: [AI Website Builder](#)
- Comprehensive web application that frontend code using AI. Microservice architecture orchestrated through Dockers. Built with a Golang backend (Hexagonal DDD), Temporal workflow orchestration, custom Python-based AI agent service (FastAPI), and Next.js. Implemented gRPC for efficient frontend-backend communication and REST APIs for seamless AI agent integration.

Low Level Programming
- Built a network packet analyzer in C capable of intercepting and analyzing real-time network traffic to monitor data transmission patterns and protocol usage.
- Designed and implemented a custom Unix shell in C with command parsing and built-in system call functionality.

Data Structure and Algorithm Implementations
- Implemented advanced algorithmic solutions including an A* search-based puzzle solver, percolation analysis using union-find data structures, and optimized nearest neighbor search with k-d tree spatial indexing.
- Completed Data Structures and Algorithms summer [workshop](#) at the University of Texas at Dallas.

EDUCATION

Rice University - Master's of Computer Science (4.0 GPA)   Aug 2025 - May 2027
University of Texas at Dallas - B.S. Biochemistry (4.0 GPA, Summa Cum Laude)   Aug 2018 - May 2022

AWARDS

Dean's List - Richardson, TX   Aug 2018 - May 2022
- Maintained top 10% GPA in the School of Natural Sciences and Mathematics.

AES Distinction Scholarship - Richardson, TX
- Awarded a full-ride scholarship to high school students with competitive grades.