T Mohammed Arif

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Summary

Strategic Full Stack Developer with comprehensive expertise in building and optimizing scalable, real-time web applications, including high-throughput backend systems and immersive SaaS platforms. Combines technical proficiency in modern full-stack frameworks with demonstrated capability in **backend development using Golang.** Strong analytical skills deliver high-performance, measurable solutions. Proven ability to lead key projects, resulting in substantial performance gains across large user bases.

Education

AVS ENGINEERING COLLEGE, SALEM	ST. PAUL'S HSS, Salem	THE GUGAI HSS, Salem
B.Tech IT : 8.55 : 2023-2027	12th Standard : 86.4% : 2023	10th Standard : 100% (Covid Batch) : 2020

Projects

College Websites   March 2025 - Present
AVS & Sakthi Kailash Educational Institutions

- Leveraged full-stack expertise to deliver robust solutions for AVS Engineering College, Sakthi Kailash Women's College, and AVS College of Arts and Science, supporting institutional operations and user engagement serving 10,000+ users.
- Reduced page load times by 40%,Increased mobile engagement by 60% through optimized database queries and front-end refinements.
- Integrated AJAX for dynamic content delivery improving user experience by 30%.

Integrated Student Management System (SaaS)   September 2025 - Present
AVS Engineering College

- Built integrated platform with Next.js/Supabase for student lifecycle management, including portals, LMS, and admin dashboard with real-time features.
- Implemented PWA mobile app with AI learning tools and notifications, optimizing data handling to reduce processing time by 60% .
- **Stack**: Next.js, Tanstack Query, React, Supabase, MongoDB, Firebase, TypeScript, Tailwind CSS, Capacitor.js, Puppeteer.

V8 Engine Digital Twin Simulator
ADVI Group of Technologies

- Designed and deployed immersive visualizations of engine mechanics and vehicle interactions using Three.js integrated within a Next.js application.
- Developed REST API's for telemetry data handling 1000+ metrics/second with session persistence.
- Implemented interactive dashboard with live performance analytics achieving 60fps rendering.
- Stack: React, Node.js, MongoDB, Three.js, Tailwind CSS, WebGL, CUDA Python, PyTorch.

Personal Information

DOB - 23/03/2006	**Nationality** - Indian	**Marital Status** - Single

Skills

Full Stack Development
Proficient in building scalable applications, with core expertise in Golang (Go), Node.js, Express.js, and Modular Design for backend systems. Skilled in React.js, Next.js, JavaScript/TypeScript (ES6+), TanStack Query, HTML5, CSS3, PHP, RESTful APIs. Experience with databases including MongoDB, MySQL, Supabase, Neon, and Prisma ORM, with knowledge in machine learning using TensorFlow, Keras, and Python.

Cloud & Tools
Firebase (authentication, database, hosting), Git version control, modern development workflows

Certifications

Course Completion in React.js - 2024	1st Place in Web Development at Spring Fest - 2024
Infosys Springboard	KSR College of Technology
1st Place in Code Debugging - 2024	**25 days Internship on CUDA Python and NVIDIA Boards - 2025**
Mahendra Institutions of Technology	ADVI Group of Technologies

Languages

English, Urdu (Native), Tamil, Hindi (To Speak)

Declaration

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief