

PROFESSIONAL SUMMARY

Innovative and results-driven **Software Engineer** with expertise in architecting, developing, and deploying high-performance cross-platform applications. Proficient in **React Native**, **React.js**, **ASP.NET Core**, and **SQL Server**, with a strong background in **scalable backend integrations**, **modular UI/UX design**, and **real-time data synchronization**. Adept at delivering impactful solutions in **education-focused** and **nonprofit technology environments**, and experienced in **mentoring global developer communities**.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, MATLAB, C#

Frameworks & Libraries: React.js, React Native, ASP.NET Core, Node.js

Databases: SQL Server, MongoDB, Oracle

Tools & Platforms: Docker, GitHub, Figma, Postman

Development Practices: Agile/Scrum, CI/CD, REST API Design, Version Control (Git)

Other Skills: Technical Mentorship, Project Management, Product Architecture, Prompt Engineering

EDUCATION

SRM Institute of Science and Technology, Chennai

Expected May 2028

B.Tech in Computer Science & Engineering (Specialization: AI & ML)

Velammal Vidhyashram, Dindigul — High School

Mar 2024

PROFESSIONAL EXPERIENCE

Software Engineer Intern – AgouraMathCircle

Dec 2024 – Present

Agoura Math Circle is a **free, nonprofit STEM education initiative** empowering middle and high school students with problem-solving skills, competitive exam preparation, and STEM career exposure through **onsite and online programs**. Activities include **weekly problem-solving sessions**, **AI and coding workshops**, **professional talks**, **mentorship programs**, and **global resource sharing**.

- Engineered and deployed a **production-grade cross-platform mobile app** (Android & iOS) using **React Native** integrated with **ASP.NET Core Web API** and **SQL Server**, serving **200+ students** and streamlining scheduling, enrollment, and learning resource access.
- Reduced manual attendance and performance tracking time by **80%** through backend automation and **real-time synchronization**.
- Designed and implemented **modular UI components** ensuring scalability, reusability, and maintainability across multiple platforms.
- Spearheaded the development of a **React-based web platform** leveraging a shared backend with optimized API workflows and synchronized mobile-web data integration.

Technical Mentor – Volunteer (Global)

- Delivered **global training sessions** on React Native full-stack development, focusing on UI/UX design principles, API integration workflows, and deployment strategies.
- Mentored developers in **mobile-first architecture**, **advanced state management**, and **performance optimization** for scalable applications.

PROJECTS

- Agoura Math Circle Mobile & Web Platforms** — Designed and developed a secure academic management system using **React Native**, **React.js**, **ASP.NET Core**, and **SQL Server** with **real-time synchronization**, benefiting over **200 active users**.
- Personal Portfolio Website** — Built and deployed a responsive portfolio using **React.js** and **Tailwind CSS** with backend integration hosted on **Vercel**.