

Sumanth Perambuduri

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Professional Summary

Frontend-focused Software Engineer with 2.5+ years of experience building high-performance web, desktop, and mobile applications. Specialized in Angular, TypeScript, Electron, and Android (Kotlin), with a proven record of optimizing large codebases and shipping production apps. Reduced Electron app size by 65%, built applications used by 6,000+ users, and actively contribute to open source with 30+ GitHub repositories. Solved 430+ LeetCode problems, demonstrating strong problem-solving fundamentals. Comfortable leveraging AI-assisted development tools to improve productivity while maintaining code quality and sound architecture.

Technical Skills

Frontend: Angular, TypeScript, JavaScript, HTML5, CSS3, Bootstrap

Backend: Node.js, Express.js, NestJS, GraphQL

Desktop: Electron

Mobile: Android (Kotlin), Ionic

Databases: Firebase, MySQL, PostgreSQL

DevOps & Tools: Docker, GitHub Actions, DigitalOcean, GitHub Pages, Git

Developer Workflow: AI-assisted development (ChatGPT, IDE-based AI tools) for refactoring, test generation and documentation

Professional Experience

Software Developer, Next Education

05/2024 - 09/2025

- Reduced Electron application bundle size by **65%** (**440MB → 150MB**), significantly improving download time and user experience.
- Upgraded Electron architecture from **v22 to v28**, improving performance, stability, and long-term maintainability.
- Developed interactive educational simulations for **Physics, Chemistry, and Mathematics** using AngularJS, deployed across multiple learning modules.
- Contributed to a **Next.js-based website builder** supporting custom themes, SEO configuration, and real-time previews.

Associate Software Developer, AlcoveX Product Studio

02/2023 - 11/2023

- Built responsive and interactive web interfaces using **Angular and Bootstrap**, improving usability and engagement.
- Implemented **GraphQL** for optimized and flexible data fetching, reducing over-fetching and improving performance.
- Worked closely with cross-functional teams to deliver high-quality features following clean-code and best practices.

Software Engineer Intern, AlcoveX Product Studio

05/2022 - 09/2022

- Developed and maintained cross-platform web and mobile applications using **Angular and Ionic**.
- Authored a **custom Ionic Android library in Java**, enabling deeper native integration and reusable components.

Projects

Sally - Trip Expense Calculator (GitHub)

Web Application • Open-Source (TypeScript, Angular, HTML/CSS)

🔗 <https://sally.sumanth.dev>

- Built a fully offline, client-side expense-splitting web application using **Angular and TypeScript**, with no backend dependency.
- Implemented group-based expense tracking, settlement calculations, and persistent local storage.
- Designed for privacy-first usage and PWA-style performance.

GITAMite - Student Companion App (Play Store)

Android Mobile Application (Kotlin, Android Studio)

🔗 <https://play.google.com/store/apps/details?id=com.supersuman.gitamite>

- Designed and developed an Android application used by **6,000+ students** to streamline academic and administrative workflows.
- Implemented Firebase-based authentication and real-time data synchronization.
- Published, monitored, and maintained the app on the Google Play Store.

Open Source & Coding Profiles

- GitHub:** 30+ public repositories, ~200 stars across frontend, Electron, Android, and utility projects.
- LeetCode:** Solved **430+ problems** across arrays, strings, hashing, greedy algorithms, and dynamic programming.
- HackerRank:** Certified in Problem Solving (Intermediate), Angular (Intermediate), JavaScript (Intermediate).

Certifications

Android Study Jams - Educator
Google

Problem Solving - Intermediate
HackerRank

Angular - Intermediate
HackerRank

JavaScript - Intermediate
HackerRank

Education

Computer Science Engineering

04/2019 - 05/2023

Gandhi Institute of Technology and Management

Profiles

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