

Sagar K

Bengaluru Karnataka India

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[Portfolio Link](#)

Innovative software developer skilled in Python, JavaScript, full-stack development (React.js, Node.js), Android development, and cloud computing, delivering scalable solutions for cutting-edge projects.

Skills

Languages JavaScript · TypeScript · Kotlin · Python · HTML5

Technologies Jetpack Compose · Next.js · React.js · Node.js · Express.js · NextAuth · Tailwind CSS

Cloud Computing Firebase · Vercel · MongoDB · Atlas

Tools Git · VS Code · Android Studio · Xray · JIRA · FIGMA

Experience

TATA Consultancy Services (TCS)

Dec.2021 - Present

Android Developer (Jaguar Land Rover client)

- Designed and developed **Android Automotive features** using **Kotlin** and **Jetpack Compose**, creating intuitive and responsive UI designs for in-vehicle infotainment systems.
- Implemented and optimized Android Automotive functionalities**, ensuring seamless user interactions and efficient system performance.
- Collaborated with cross-functional teams to design scalable solutions, and troubleshoot issues during the development of **Android Automotive functionalities**.
- Developed a **Python** application to extract **Android properties**, **SOMEIP APIs**, and **Enum messages** from **JSON** and **Protobuf** files, improving Gherkin test case development speed by **200%** and detecting data discrepancies early.
- Gained expertise in **Android Automotive System Architecture**, **CAN**, **FlexRay**, **SOMEIP** protocols, and **ISO 26262 standards**, ensuring functional safety compliance.

Projects

ExpenseMate ([Demo](#)) ([Source Code](#))

Nav.2024

- Developed a full-stack expense tracker using **Next.js**, **TypeScript**, and **MongoDB** with **NextAuth** authentication and **CRUD operations** for managing expenses.
- Designed interactive data visualizations with **Recharts** and enhanced the user interface with **Tailwind CSS** and **Framer Motion** for a modern and engaging experience.

Anime Freak ([Demo](#)) ([Source Code](#))

Nav.2023

- Developed **Anime Freak**, a web app showcasing top anime with **infinite scrolling** for seamless user experience using **Next.js**, **Tailwind CSS**, and **Framer Motion**.
- Future plans include evolving it into an **OTT** platform for free anime streaming.

Gamer Freak ([Demo](#)) ([Source Code](#))

Jan.2023 - Nav.2023

- Built a **Full-stack E-commerce web application** using **React**, **Firebase**, and **Bootstrap** with real-time database and authentication.
- Leveraged **React Context API** and **NoSQL** for efficient state management and data storage.

Achievements

- Associate Google Cloud Certification** ([Link](#))
- Innovation Super Star**

Apr.2023

Dec.2024

Education

Rajarajeswari College of Engineering

Bengaluru Karnataka

B.E in Electronics and communication

Jul.2017 - Aug.2021

- Percentage - 78.4