Karan S D

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EDUCATION

CAMBRIDGE INSTITUTE OF TECHNOLOGY – Bangalore 2022 - 2026
Bachelors of Technology in Computer Science and Engineering **CGPA: 8.6/10**

Lake Montfort School– Bangalore 2021 - 2022
Senior Secondary (Class XII) **Percentage: 90.5**

EXPERIENCE

EazyByts Web Solutions | Full Stack developer (Training) March 2025 - April 2025

- Developed and deployed a full-stack event management module using **React**, **TypeScript**, and **TailwindCSS**, resulting in a responsive and intuitive user interface for a client portfolio application.
- Engineered robust backend functionality with **Next.js** and **Node.js**, designing and implementing efficient **RESTful APIs** that streamlined client-server data exchange.
- Integrated and managed a hybrid database system utilizing both **MySQL** and **MongoDB** for effective storage and retrieval of event data, user information, and portfolio content.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C.
- **Frontend and UI/UX:** HTML, CSS, Tailwind CSS.
- **Cloud and DataBase:** MySQL.
- **Developer Tools:** Visual Studio Code, GitHub, IntelliJ, Vercel.

RELEVANT COURSEWORK

Data Structures, Google Cloud Console, Internet of Things (IoT), Database Management System, Figma, Operating Systems, Natural Language Processing.

PROJECTS

AI-Powered Healthcare Diagnostic Platform | Full-Stack Web App ↗

- Developed a full-stack medical diagnostic application using **React**, **Tailwind CSS**, and **Firebase**, featuring an AI-driven tool that converts user-inputted symptoms into potential disease predictions.
- Designed a dual-interface system with secure **Firebase** authentication for both patients and doctors, implementing a unique feature for doctors to create and manage digital clinical notes, streamlining patient record-keeping.
- Integrated location-based **APIs** to suggest nearby hospitals and pharmacies based on the AI-generated diagnosis, providing users with immediate access to care options and relevant medical information.

Online Transport and Food Delivery Application | Full-Stack Mobile App ↗

- Developed a full-stack mobile application using **React Native** and **Tailwind CSS**, integrating **Google Maps** and **Distance Matrix APIs** to provide real-time ride tracking and route optimization for over 100 beta users.
- Engineered a secure and scalable backend with **Node.js** and **Express.js**, implementing a RESTful API to manage user authentication, ride history, and order processing within a **MongoDB database**.
- Integrated the **Stripe API** to build a secure, cashless payment system, successfully processing over 500 simulated transactions with a 100

Personal Portfolio Platform | Full-Stack Web App ↗

- Developed an interactive personal portfolio using **Next.js** , **Tailwind CSS**, **Framer Motion** and **Lucide React**.
- Implemented an **AI-powered chatbot** using **react-chatbot-kit** to provide visitors with contextual information about skills, experience, and projects in real time.
- Enhanced user engagement and performance through advanced **Framer Motion** animations, dark/light mode themes, and responsive 3D elements with **Three.js**, ensuring seamless cross-device experience.

AWARDS AND ACHIEVEMENTS

- **Finalist**, **Samsung | SIC Hackathon Challenge 2025**: Selected as a finalist among hundreds of participating teams for developing an innovative software solution.

CERTIFICATIONS

- **Python** Foundation Certification (Infosys)
- **Java** Foundation Certification (Infosys)
- **Programming in Java** (NPTL)