

ALPESH GARG

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology - Computer Science and Engineering

Cumulative GPA: 8.57 / 10

Coursework: Operating Systems, Data Structures and Algorithms, Computer Networks, DBMS, SDLC

Bhopal, India

Aug 2021 – Ongoing

SKILLS

Languages: Java, Python, Dart, JavaScript, SQL

Frameworks: Flutter, ReactJS, NodeJS, Fast API

Tools: GIT, Postman, Figma, Microsoft Azure, Vercel, Linux

DataBase: MongoDB, MySQL, SQLite, NoSQL

CERTIFICATIONS

Google Cloud Computing Foundations Program - Google Cloud (Dec 2023)

Azure Administrator Associate - Microsoft Azure (Nov 2023)

EXPERIENCE

Inovize IT Solutions, Jaipur

Aug 2024 – Nov 2024

Software Developer Intern

- Developed a delivery management app for delivery persons using **Flutter** and integrated **Google Maps API** for real-time tracking and optimized navigation, **improving route efficiency by 20%**.
- Designed and refined **UI/UX** for seamless task management, enabling delivery personnel to view, accept, or reject orders efficiently.
- Conducted extensive testing and debugging, ensuring the app's compatibility across multiple device sizes and stable performance across **3 major operating systems**.

PROJECTS

QuickGrocer | Flutter, Dart, Google Maps API, Firebase, SQLite

- Developed a grocery delivery application with features like **real-time tracking**, **route optimization**, and **location-based planning**, achieving a **30% reduction in delivery times**.
- Integrated **Google Maps API** to provide **real-time tracking** and efficient navigation for improved delivery accuracy.
- Designed a **responsive UI** with **Flutter** for **5+ device sizes** and implemented efficient **data storage** using **SQLite**.

SafarBuddy | Flutter, Firebase, Google Maps API, UI/UX Design

- Developing a **Flutter-based app** connecting users with strangers sharing similar travel interests, aiming for **200+ users** in the first 3 months of launch.
- Designing **real-time chat** and **location-based trip** planning features, targeting a **25% increase** in user engagement.
- Leveraging **Firebase** for secure user authentication and real-time database management, ensuring a seamless user experience.

Soil Health Monitoring System | Raspberry Pi, Arduino, Python, C++, SQLite, Sensors

- Collaborated with a **6-member team** to build a **precision agriculture system** using **Raspberry Pi** and **Arduino** for real-time soil moisture monitoring, improving water efficiency by 25%.
- Programmed hardware-software integration** with **Python** and **C++**, enabling seamless sensor data acquisition from **10 sensors**.
- Enhanced **agricultural sustainability** by promoting efficient water use and reducing **fertilizer reliance** through **precision irrigation**, resulting in a **cost-effective** solution priced at **INR 5000**.

POSITIONS AND RESPONSIBILITIES

iOS Club, VIT Bhopal

Bhopal, India

Club Manager

Sep 2022 – Sep 2023

- Led the iOS Club for one year, organizing **7+ events** for **100+ members** focused on **iOS development** and career growth.
- Executed **5 technical workshops** and guest lectures, managing a team of **50+ members** and increasing club engagement.
- Directed all club operations, including event planning, and resource allocation, ensuring **100% efficiency** in execution.

ACHIEVEMENTS

GVSDP Scholarship Recipient

- Recognized for academic excellence by securing a **25% scholarship** on college fees, which motivated continued pursuit of excellence and reduced financial burden.