Suhas K M

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Education

New Horizon College of Engineering, Bengaluru   **2019 − 2023**
Bachelor of Engineering in Information Science and Engineering   *CGPA: 9.36*
Coursework: Data Structures & Algorithms, Core Java, OOPS, DBMS, Operating Systems, Software
Engineering, Machine Learning, Computer Organization

Experience

Hindustan Aeronautics Limited   **March 2023 − April 2023**
Project Internship   *Bengaluru, India*
- Built the Sensor Data Management (SDM) project, facilitating seamless data transfer between a main computer and UAV (Unmanned Aerial Vehicle) utilizing **Visual C++**.
- Designed a **GUI-based** interface for SDM using **Microsoft Foundation Class** and received training on software testing with **LDRA**, as well as UML Diagram creation with **IBM Rhapsody**.

Projects

KnowHive 🔗 | *React.js, Flask, MySQL*   **December 2023**
- Collaborated with a team of 4 individuals to develop an **innovative** knowledge-based website, aimed at assisting field engineers in efficiently resolving incidents by providing accurate solutions quickly.
- Solely designed the frontend of the website, ensuring a user-friendly interface and seamless navigation.
- Successfully integrated the frontend with the backend API to ensure seamless functionality of the website.

Conventia 🔗 | *React Native, Google Firebase*   **May 2023**
- Collaborated with a team of 3 individuals to develop a app aimed at assisting Alzheimer's patients in tracking conversations with relatives, integrating features like face recognition using the **FaceNet** algorithm.
- Implemented speaker diarization using **Pyannote**, enhancing the app's ability to identify different speakers in audio recordings.
- Designed the frontend of the app, ensuring a user-friendly interface for Alzheimer's patients.

Study Buddy 🔗 | *React.js, Google Firebase*   **July 2022**
- Developed a **non-profit website** using react.js that helped the students to get education through recorded sessions, live classes conducted by volunteer.
- Implemented donor forms and a list of orphanage details page for volunteers to donate books to students and food for those in need, by using Google Real-time Database for efficient data storage.

Technical Skills

Languages and Frameworks: Java, Python, C, HTML, CSS, JavaScript, React.js, React Native, Flask
Database: Oracle SQL
Developer Tools: Git/GitHub, Google Firebase, AWS

Leadership / Extracurricular

VMWare IT Academy Club   **October 2021 − May 2023**
Board Member
- Organized and facilitated hackathon, impacting over 200 students, and led a team of 6 in coordinating inter-department coding event.
- Coordinated a group of 5 people to create the department's banner, in addition to creating a number of posters for technical events.
- Directed a college level hackathon with 50+ teams, 150+ participants and mentored 2 teams.

Achievements and Publication

Toycathon (National Level Hackathon) 🔗 | *Winner*
- Built a digital board game using Python that provides knowledge about Indian culture, with participation from over 1.2 lakh participants across India and shortlisted as one of the top 117 winners in the digital edition of the Toycathon, a national-level hackathon.

Design Overflow 🔗 | *2nd Place*
- Developed a visually stunning stationary website using HTML and CSS during an Inter College Hackathon and secured 2nd place out of 20 participating teams.

Published a research paper titled **"A Novel Approach to Record and Narrate the Summary of Conversation for Alzheimer Patient"** in association with 2023 International Conference for Advancement in Technology (ICONAT).