

Vekash S

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EDUCATION

Bachelor of Engineering – Electronics and Communication Engineering CGPA: 8.54
Anna University, India (Kumaraguru College of Technology) December 2020 – May 2024
Project: “Facility Access System using FaceNet”

Diploma – Data Science and Programming
Indian Institute of Technology, Madras September 2021 – December 2024
Project: “Household Services Web App”

WORK EXPERIENCE

Software Development Intern October 2024 – January 2024
Prezantim Creative Services Coimbatore, Tamil Nadu

- Designed a project management app to handle daily work logs, expenses, and leave management using Google AppSheet.
- Identified opportunities for automation, integrating new technologies to optimize daily tasks and workflows.
- Developed a directory management system to organize and streamline data across multiple hard disks.

Department of Technological Services Intern April 2024 – Sep 2024
Kumaraguru College of Technology Coimbatore, Tamil Nadu

- Developed a web app for managing campus medical records, medicine inventory, and online billing.
- Collaborated with external vendors to improve event management efficiency by integrating their applications.
- Enhanced app functionality and user experience through iterative design and regular testing.

PROJECTS

Household Services Web App (December 2024)

- Developed a platform connecting household service providers with customers, enabling smooth service requests and feedback management.
- Integrated VueJS, Flask, Redis, Celery, SQLite, HTML, and CSS to deliver a user-friendly experience.

Gym Posture Detection Tool (April 2024)

- Implemented YOLOv8 and Roboflow for real-time exercise form detection, enhancing personalized coaching and minimizing injury risks.
- Improved exercise safety and efficiency for users, providing instant feedback for better form during workouts.

Facility Access System using FaceNet (July 2023)

- Engineered a plug-and-play facial recognition system for facility access, part of the ProtoSem Innovation/Startup fellowship.
- Reduced access control costs by 70% compared to traditional market solutions while enhancing security.

Analyst - Embedded Systems, Team Sea Sakthi (August 2022)

- Contributed to the first Indian team at the Monaco Energy Boat Challenge, implementing real-time boat monitoring systems.
- Achieved 6th place out of 22 countries by capturing critical data to improve boat performance.

LEADERSHIP

Vice President August 2021 – September 2022
Varnam Campus Fine Arts Club

- Organized multiple inter-college events successfully and participated in events at prestigious institutes such as IIT Madras and NIT Trichy.

AWARDS AND ACHIEVEMENTS

- Achieved 6th place in the Monaco Energy Boat Challenge out of 22 participating countries.
- Secured 2nd place in the Art Competition at NIT Trichy.

SKILLS

Technical Skills: Python, Java, SQL, PySpark, AWS, Power BI, Excel, Flask, IoT & Embedded Systems

Specializations: Data Analytics with AWS, Full-Stack, Business Data Analytics, Machine Learning

Languages: English, Tamil, Hindi