ASWAJITH S
22PT05

Gender	Male
Date of Birth	29th January 2005
Languages known	English, Tamil, Malayalam
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177/139, Light House Road,
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OBJECTIVE

To obtain a position as a student intern from May 2025 to November 2025.

ACADEMIC QUALIFICATION

Currently pursuing 3rd year of 5 year Integrated M.Sc. Theoretical Computer Science at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	C, C++, Python, Java, SQL, Kotlin, Javascript
Platform	Windows, Linux
Tools	Figma, ReactJS, Git, Postman

AREAS OF INTEREST

- Full Stack Web Development
- App Development
- UI/UX Designing
- Supervised Learning

ACADEMIC RECORD

- **M.Sc Theoretical Computer Science** — *2022-2027*
  PSG College of Technology, Coimbatore — **8.39 CGPA**

- **XII (Higher Secondary, State board)** — *2022*
  Chinmaya Vidyalaya R S Puram, Coimbatore — **96.67 %**

- **X (SSLC, State board)** — *2020*
  Chinmaya Vidyalaya R S Puram, Coimbatore — **90.00 %**

NON-ACADEMIC PROJECTS

- **Axios 2024:** Designed and prototyped comprehensive **UI/UX layouts** for Axios, an Inter-Collegiate Technical Symposium, using **Figma** to create intuitive web application designs.

- **Insightica:** An AI solution for optimizing trade decisions. Built a user-interactive front end using **ReactJS**. Integrated **AcertainityUI** and **shadCN** UI components to enhance chart visualizations. Deployed the application on **Vercel** for seamless accessibility.

- **Scan Wizard:** A **QR code scanner** application featuring instant QR code reading using **Kotlin** and **XML**. Implemented advanced **CameraX API** for camera permissions and **ML Kit by Google** for QR code decoding. Developed a robust backend infrastructure utilizing **SQLite3** for **local storage** of scan results, adhering to the principles of efficient data management. Enhanced the application with a focus on elevating **UI and UX design** standards.

ACADEMIC PROJECTS

- **Decision Tree Classifier:** Developed a custom Decision Tree Classifier using **CART** Algorithm. Utilizes a custom **Data handler** class for pre-processing the data. Generated decision trees as **Python snippets** for predictions. Designed and evaluated the decision tree through a **Streamlit-based front-end** interface.

- **ShopNex:** An Affiliate Marketing platform featuring an interactive web application with a focus on elevating **UI/UX design** standards and developed using **ReactJS**. Implemented a robust backend infrastructure utilizing **Express JS** with **RESTful APIs** and **MySQL database**, adhering to the principles of the **Relational Database Model**.

- **P&ID Component Detection:** This project leverages **YOLOv8** for detection and **classification of P&ID components** in engineering diagrams. Generation of Custom datasets, **annotations via Roboflow**, ensure precision in **symbol recognition**. Advanced **preprocessing** and **data augmentation** techniques enhance the robustness and accuracy of the model. The system is optimized for high efficiency, enabling **real-time symbol detection**.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Completed certification in **Introduction to App Development** and **Full-stack Web Development** conducted by **InternEzy**.

DECLARATION

I, Aswajith S, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore
Date : 21/11/2024   (Aswajith S)