KAVIYAA PRIYADHARSHINI A

22PW22

Gender	Female
Date of Birth	13th October 2004
Languages known	English, Tamil
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Address
11/5, Muthu Nagar, Uppilipalayam post,
Coimbatore, Tamil Nadu – 641015.

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. Software Systems at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	C, C++, Python, Java, SQL, JavaScript
Platform	Windows, Linux
Tools and Frameworks	Git, Figma, MATLAB, React.js
Databases	MySQL

AREAS OF INTEREST

- Front-end Development
- Object Oriented Programming
- Supervised Learning
- Data Structures and Algorithm

ACADEMIC RECORD

- **M.Sc Software Systems** — *2022-present*
  PSG College of Technology, Coimbatore — **8.34 CGPA**

- **XII (Higher secondary, State Board)** — *2022*
  National Model Matric. Hr. Sec School, Coimbatore — **94.50 %**

- **X (SSLC, State board)** — *2020*
  National Model Matric. Hr. Sec School, Coimbatore — **99.20 %**

INDUSTRY BASED PROJECT EXPERIENCE

- **Bahwan Cybertek Pvt Ltd |** Digital Apps Department Intern (*May 2024 – June 2024)*
  Designed and developed a **Frontend interface** using **React.js**, featuring interactive visualizations of detailed layouts. Implemented responsive and dynamic UI components, enhancing usability and accessibility. Acquired foundational knowledge of **Angular.js**, focusing on component-based architecture.

NON-ACADEMIC PROJECTS

- **PayrollXpert** - Developed a Payroll management system allowing users to input employee details, calculate taxes and determine net salary. Implemented **React's** component-driven structure and state management to create interactive user experience. Utilized **JavaScript** for data processing including **form validation** and **tax/deduction calculations**, while designing an responsive interface with **CSS.**
- **RayTracer** - Developed a Ray Tracer application in **C++**, simulating the behavior of light rays in a **virtual 3D environment**. The project focused on creating **realistic lighting effects** by implementing ray-object intersection algorithms, including precise calculations for spheres, planes, and triangles. These algorithms enabled the simulation of realistic reflections, refractions, and shadows, capturing the physical behavior of light.

ACADEMIC PROJECTS

- **WebScraper** - Developed a **Python**-based web scraping system to extract real-time cricket match scores, content from dynamic websites and Amazon product details. Applied libraries like **BeautifulSoup**, **Requests** and **Selenium** to handle HTML parsing and data extraction. Implemented data storage using **Pandas** and created a user-friendly interface with **Streamlit** for real-time data visualization.
- **SecureFileX** - Implemented a **File encryption and decryption** functionality using AES (Advanced Encryption Standard). The application allows users to securely encrypt and decrypt files with a 16-byte AES key, utilizing **Cipher** for encryption operations. Integrated **JavaFX** to provide an interactive interface and utilized CipherInputStream and CipherOutputStream to securely process file data.
- **CookIn** - Developed a **Food recipe website** offering a diverse collection of traditional recipes from various regions across the world. The website built using **HTML, CSS, PHP and JavaScript** provides detailed recipes, including videos for step-by-step instructions and accurate ingredient measurements based on the number of servings. Additionally, the website features an interactive map for users to explore recipes by region.
- **Skinalyze** - This project is a **Machine learning system** developed in **Python** that predicts skin type using classification techniques and acne severity through clustering. The project features a **Streamlit-based UI**, enabling users to upload images and receive predictions for their skin type and acne severity. The system employs **K-Means clustering** for acne severity analysis and **CNN-based models** for skin type classification.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Secured **First Prize** in the **National-level Quiz Competition on "Indian Space Technology"** (2022), awarded a cash prize of Rs. 1,00,000, demonstrating exceptional knowledge in space science and technology.
- Contributed to team performance in **basketball**, focusing on skills development, strategy execution, and collaborative play.

DECLARATION

I, Kaviyaa Priyadharshini A, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore
Date : 11/12/2024

(Kaviyaa Priyadharshini A)