Varun Palanisamy

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EDUCATION

University of California, Santa Cruz, Santa Cruz, CA   June 2025
Bachelor of Science in Computer Science: Game Design, Minor in Computer Science and Statistics GPA 3.7

Relevant Coursework: Object Oriented Programming, Artificial Intelligence, Algorithms, Data Structures, Data Mining

TECHNICAL SKILLS

- Proficient in Python, C++, Java, C, and SQL; Familiar with HTML, CSS, JavaScript

EXPERIENCE

Yes-M Systems, Remote   June 2024 – September 2024
Data Analyst Intern
- Utilized Power BI and SQL to perform data extraction, transformation, and loading (ETL) processes, and prepared datasets for analysis, ensuring data integrity and accuracy.
- Implemented complex SQL queries and data models, including star and snowflake schemas, to support comprehensive data analysis and reporting needs.
- Developed interactive dashboards and reports using Power BI, applying best practices in data visualization to communicate insights effectively to stakeholders.

2nd Place @ TTSF Hackathon, San Francisco, CA   September 2021
Online Marketing Intern
- Developed a website for seamless group project management. Included features such as a to-do list, a real-time chat, a shared calendar, and a collaborative presentation editor.
- Resulted in an invitation to attend a prestigious Global Youth Summit. Showcased my technical abilities and provided me with a unique opportunity to network with leaders in my field and gain valuable insights into cutting-edge industry trends.
- Demonstrated expertise in Python, JavaScript, C++, HTML, and Web Scraping.
- Collaborated effectively with a team of developers utilizing efficient communication and project management techniques to ensure timely delivery

PROJECTS

- **Chatbot with ChatGPT** – Implemented a chatbot using the ChatGPT API to provide users with intelligent and responsive conversational experiences.
- **Movie Recommendation System** – Developed a recommendation system using Data Science and Machine Learning techniques to analyze user preferences and viewing history, providing the best personalized movie suggestions.
- **Webcam Monitoring Email Alert App** – Designed an application that monitors webcam feeds and sends email alerts when motion is detected, enhancing security and surveillance.
- **Artificial Intelligence Tic-Tac-Toe** – Implemented an advanced AI and Binary Trees that recursively looks through all win and loss conditions and picks the best one to give the computer a 100%-win rate.
- **Django Job Application Web App** – Created a web application using Django that allows users to browse, apply for, and manage job applications efficiently.
- **Music Event Web Scraper** – Developed a web scraper that collects and compiles data on music events, providing users with up-to-date information on upcoming concerts and shows.
- **SQLite Student Management System** – Built a comprehensive student management system using SQLite to track student information, grades, and attendance.