Marvellinus Vincent

vmarvellinus@gmail.com // https://marvellinusvincent.com // +1-812-802-3968

Profile

Full-stack developer with hands-on experience building secure, scalable web applications using **React, Node.js, and PostgreSQL**. Skilled in designing **responsive UIs**, implementing **JWT authentication**, and optimizing backend performance with **RESTful APIs**

Education

Indiana University   January 2021 – December 2024
B.S. in Computer Science & B.S. in Information Systems   GPA: 3.61 / 4.0
  Courses taken: Software Engineering for Information Systems, Distributed Systems, Database Concepts, Applied Algorithms, Data Structures, Mobile App Development (Android), Object-Oriented Software Methods, Systems Programming with C & Linux, Introduction to Data Analysis & Mining, Introduction to Artificial Intelligence

Experience

Research Assistant   February 2024 – Present
Indiana University   Bloomington, IN, USA

- Developed **Python scripts (OCR, text cleaning, OpenAI integration)** to process **2,900+** scam-related images and videos, extracting and classifying text with **Mistral-7B** and **Llama-2** via **Ollama** and **LM Studio**, improving dataset usability for NLP tasks
- Built a **BERT-based multi-label classifier** (PyTorch) to automate detection of psychological pressure tactics in scam posts, including data preprocessing, model training, and performance evaluation
- Collaborated on a **codebook for annotation guidelines**, refining definitions through literature review and analyzing 300+ posts to standardize labeling for pressure tactics and audience targeting

Mobile App Development Associate Instructor   August 2024 – December 2024
Indiana University   Bloomington, IN, USA

- Assisted **30 students** with mobile app development projects using **Android Studio** and **Kotlin**
- Conducted **code walkthroughs** to demonstrate how to solve common issues and **optimize** app performance
- Guided students through debugging processes and taught them how to use Android Studio's debugging tools

Data Mining Teaching Assistant   January 2024 – May 2024
Indiana University   Bloomington, IN, USA

- Provided personalized guidance to students on data mining concepts, algorithms, and methodologies, fostering their understanding and problem-solving skills

Projects

RateMyUniversity   https://ratemyuniversity.io

- Engineered a **full-stack web** application enabling authenticated and anonymous university reviews, with secure **JWT-based auth** and **PostgreSQL** user/session management
- Designed an **interactive frontend** with responsive UI components using **React hooks** and **state management**, improving user engagement
- Implemented **access control** and **rate-limiting middleware** to safeguard sensitive endpoints and prevent misuse, ensuring that both logged-in and anonymous users can interact with the platform securely and efficiently
- Collected and displayed authenticated and anonymous reviews; current version has **10+ early users** with live deployed infrastructure for scaling

Arctic Depth IDE Theme   https://arcticdepthshowcase.vercel.app

- Designed a high-contrast, **dark blue IDE theme** tailored for developers who appreciate rich blues and a futuristic aesthetic
- Published on Visual Studio Code, JetBrains, npm, and Zed, with **1k+ downloads**

StatSpot (Currently awaiting Extension Quota Request)   https://spotifystattrack.vercel.app

- Developed and deployed a personalized **Spotify web application** using **Express** and **React**
- Implemented features for visualizing user data including top artists, top tracks, recently played tracks, playlists, and more

Skills

Python, Java, React, Django, SpringBoot, JavaScript, Node.JS, Express.JS, C, Linux, C#, Kotlin, Agile, Swift, HTML, PostgreSQL, SQL, NoSQL, RestAPI, CSS, R, Git, Docker, Tableau, MongoDB, CI/CD