

Marvellinus Vincent

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Profile

A recent graduate from Indiana University Bloomington with a focus on Software Engineering and Software Development. An ambitious individual with strong interpersonal skills and a proactive willingness to learn and adapt

Education

Indiana University

January 2021 – December 2024

B.S. in Computer Science & B.S. in Information Systems and Business Analytics

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

Skills

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

Projects

RateMyUniversity

<https://ratemyuniversity.io>

- Engineered a full-stack web application enabling authenticated and anonymous university reviews, with secure JWT-based login 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

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, detailed audio information for each track, recently played tracks, and more
- Enabled functionality to save new tracks to playlists based on recommended tracks from existing playlists, utilizing Spotify's API

Health Management System

<https://frontend-1-hmaf.onrender.com>

- Spearheaded the development of a comprehensive web-based patient and health insurance management system utilizing React and JavaScript for frontend, Java and Spring Boot for backend, Firebase for authentication, and NoSQL for database management
- Implemented robust security measures including OAuth integration, password encryption, and multi factor authentication, as well as real time chat functionalities

Experience

Mobile App Development Associate Instructor

August 2024 – December 2024

Indiana University

Bloomington, IN, USA

- Guided 30 students through their practicums, twice a week, addressing questions and concepts as well as troubleshooting technical issues
- Supported students in completing weekly projects and two major projects with the option to publish on the Google Play Store

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

Private Coding Tutor

December 2022 – December 2023

Self Employed

Bloomington, IN, USA

- Taught fundamental programming concepts such as variables, loops, conditionals, functions using primarily Python and some Java
- Assisted students in understanding core computer science principles such as data structures, algorithms, and object-oriented programming
- Assessed student progress and provided regular feedback to track their development and identify areas of improvement