Ton Nguyen

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PROJECTS

AI-Powered Financial Planner - Full Stack Phone App

Tech: React Native | Python | Flask | SQLite | OCR | REST API | OpenRouter (GPT)

- Built feature to **track and analyze** monthly income and expenses using Photos of receipt/pay slip from phone's camera or gallery.
- Designed **AI chatbot** using OpenRouter API to give personalized financial advice based on **real-time** user data.
- Created **visual reports** (bar/pie charts) to show expense trends by category and month.
- Developed offline-ready Flask **REST API** and stored financial data locally using SQLite.
- Added savings goal tracking feature with **real-time tracking** of completion percentage using **sorting algorithms**.

Full Stack Project Tracker

Tech: C# | .NET | MySQL | React | TypeScript | JWT | SendGrid |Password Encryption and Hashing

- Built a **multi-user, team-based project collaboration app** using a **client-server architecture** with secure user authentication, task coordination, and **tested with 5 users concurrently** to ensure performance and usability.
- Implemented Account Registration, Login, Password, Email Recovery with email verification using Password Encryption, Password Hashing, JWT and SendGrid to ensure the **security of the account**.
- Built **responsive frontend UI** with React, TypeScript & CSS including React calendar and team messaging and email features including Outlook, Gmail and Yahoo Mail.

Full Stack Online Store React App (Ton's Store)

Tech: React | JavaScript | Node.js | MongoDB Atlas

- Used React and Node.js to build a fully functional online store with MongoDB Atlas for **data persistence.**
- Developed **RESTful APIs** to handle checkout, product inventory, customer records, email receipts, and sales reports.
- Implemented **real address autofill** with HERE Maps API to assist user to find exact home address of customer when signing up new customer account.

Student Study Organizer Android App at University of Manitoba

Tech: Java | Android Studio | HSQLDB

- Developed an Android app in Java with course scheduling, note-taking, reminders, GPA calculator, planner, and email **integration for multiple accounts**
- Integrated HSQLDB for efficient data storage and real-time updates for smoothness.

WORK EXPERIENCE

AI Code Trainer at Data Annotation (Freelance)   **Work from Home**

- Developed high-quality Python and JavaScript code solutions for **AI model training**.   **Jan 2025- April 2025**
- **Refactored inefficient code, improving runtime** performance by **approximately 20%** through algorithm optimization and best practices.
- Labeled and evaluated code samples, identifying optimal and suboptimal solutions to enhance AI understanding
- Assessed and ranked AI-generated outputs to **improve the accuracy, clarity, and relevance of responses**.

SKILLS

Programming: Java, JavaScript, Node.js, React.js, Typescript, C#, C, .NET, Python, SQL, MySQL, Flask, SQLite, Docker

Technical skills: Algorithms and Data Structures, Data Mining, Project planning, API implementation, GitHub, Terminal

Platforms: Linux, Windows and MacOS

EDUCATION

University of Manitoba   **Manitoba, Canada**

Graduated as Bachelor of Science Major in Computer Science
Concentration: Full Stack Web and Mobile App development
Related Coursework: Full Stack Web Development, Object-Oriented Programming, Discrete Mathematics, Artificial Intelligence reasonings, Data Mining, Data Structures and Algorithm, Project Management.