Mujtaba Asif

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SUMMARY

I am a business and information systems graduate currently completing a 3-month software engineering internship, focused on backend development with FastAPI using Python and frontend work with JavaScript and tools like pgAdmin4, Postman and Visual Studio Code. Proficient in developing scalable solutions in e-commerce, healthcare, fitness and mental health domains. Focused on delivering secure, efficient and high-quality software.

EDUCATION

Bachelor of Business and Information Systems
University of Management and Technology, Lahore
Graduation Year: 2024

Intermediate in Computer Science (ICS)
Punjab College, Lahore
Graduation Year: 2020

PROFESSIONAL EXPERIENCE

Software Engineer Intern
Aquila360, Lahore, Pakistan
August 2024 - November 2024

- Contributed to backend development using Python and FastAPI for scalable application solutions.
- Developed responsive frontend interfaces with JavaScript for improved user experience.
- Ensured high code quality through thorough testing and debugging of applications.

PROJECTS

1. **Mais Clothing Brand**
   Concept: An e-commerce platform dedicated to selling clothing and accessories.
   - Build RESTful endpoints to manage product listings (CRUD operations) using pgAdmin4 for PostgreSQL database management.
   - Implement user login/signup using OAuth2 with JWT. Develop and test APIs with Postman in Visual Studio Code.
   - Handle cart operations and calculate totals.
   - Secure payment integration with third-party APIs like Stripe or PayPal.

2. **WellMind**
   Concept: A mental health application providing resources like meditation guides, mental health tests and counseling.
   - Manage mental health articles, audio/video guides, and tests via APIs using pgAdmin4 for database management.
   - Track user progress, preferences, and completed resources. Test endpoints with Postman during development in Visual Studio Code.
   - Enable therapist communication using WebSocket endpoints.

● Process mental health assessments and recommend resources accordingly.

3. **Personalized Fitness and Nutrition Planner**
   Concept: A platform for personalized fitness routines and dietary plans.
   ● Collect user data like age, weight, goals, and dietary preferences. Use pgAdmin4 for managing user data.
   ● Integrate machine learning models for fitness and nutrition suggestions. Develop APIs in Visual Studio Code and test using Postman.
   ● Log workouts, meals, and progress metrics.
   ● Allow users to schedule and manage workouts and meals.

4. **Home and Event Décor**
   Concept: A platform offering personalized home and event décor ideas and services.
   ● Provide endpoints for browsing and booking décor services. Manage service data using pgAdmin4.
   ● Upload event/home details and get personalized décor suggestions.
   ● Manage bookings and service orders with CRUD operations. Use Postman for API testing and develop the platform in Visual Studio Code.
   ● Enable submission and viewing of user feedback.

5. **Medicare Diagnose**
   Concept: A healthcare app for diagnosing symptoms and providing recommendations.
   ● Input symptoms and retrieve possible diagnoses using ML models. Use pgAdmin4 for managing patient records securely.
   ● Book consultations with doctors via API endpoints. Test endpoints in Postman and develop in Visual Studio Code.
   ● Store and retrieve electronic prescriptions.
   ● Implement HIPAA-compliant data security measures.

6. **Location Finder Tool**
   Concept: A tool for finding nearby services, landmarks, or specific locations.
   ● Fetch location data using external APIs like Google Maps or OpenStreetMap.
   ● Filter services based on categories like restaurants or hospitals. Manage location data with pgAdmin4 and test endpoints using Postman.
   ● Provide route suggestions using routing APIs. Develop the tool in Visual Studio Code.
   ● Track real-time user locations through APIs.

7. **E-Commerce Website**
   Concept: A general platform for buying and selling products.
   ● Manage product catalog, categories, and inventory using pgAdmin4.
   ● Implement secure login and registration with role-based access control. Use Postman for API testing and develop in Visual Studio Code.
   ● Handle order placement, tracking, and management.
   ● Generate sales analytics and insights.

8. **Personal Finance Management System**
   Concept: A system to help users manage budgets and track expenses.
   ● Create and monitor budgets through APIs using pgAdmin4 for database management.
   ● Log and categorize daily expenses. Develop the system in Visual Studio Code and test APIs using Postman.
   ● Generate financial reports with visual summaries.
   ● Integrate with external financial APIs to fetch transaction data.

CERTIFICATIONS

- Intermediate Python
- Introduction to Data Science in Python
- Machine Learning for Business
- Marketing Analytics for Business
- Introduction to Data Science in Python
- SAP FICO
- Data-Driven Decision Making for Business
- Understanding Data Engineering
- Understanding Data Science
- Data Science for Business
- Introduction to Python
- Financial Literacy Training Program
- Small Business & Managerial Accounting Training
- SAP Material Management

SKILLS

- **Language:** Python, JavaScript

  Tools: SAP, Odoo, Google Analytics 4(GA4), Orange Tool, Visual Studio Code, pg Admin 4,My SQL, Google Colab, Microsoft Tool: Word, Excel, PowerPoint, Power BI
- **Soft Skills:** Critical thinking, Collaboration, Problem-solving, Creativity.