

# USMAN ALI

## SOFTWARE ENGINEER

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### WORK EXPERIENCE

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LOGICCHASERS Pvt Ltd, Pakistan | Associate software engineer Aug 2024 - Aug 2025

- A service-based company where I have worked across multiple technologies. I am currently handling a backend development project using Python Flask, where I have added several features and resolved numerous bugs.
- I am also working on a project using FastAPI, where I have implemented API key generation and integrated JWT authentication.
- Additionally, I have worked on Power BI, Data Analysis, and Data Visualization using Python libraries like numpy, pandas, matplotlib, seaborn, and plotly.
- I have also contributed to machine learning projects and data extraction tasks.

### PROJECTS

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#### Full-Stack Web Application & Data Visualization:

- **Front-End Development:** Designed responsive web interfaces with consistent typography and branding using clean UI/UX principles and custom fonts. Built dynamic dashboards and filterable forms using HTML, CSS, Jinja2, and Flask templates.
- **Interactive Mapping:** Developed real-time, interactive maps using GeoJSON with multiple base layers, custom marker logic, tooltips, and export functionality to enhance geospatial insights.
- **Data Visualization:** Built intuitive stacked bar charts for comparative analysis of consumption and waste data using dynamic color assignment, real-time filtering, and session-based updates.
- **PPT Report Automation:** Automating PowerPoint generation with python-pptx, embedding charts, metadata, and uploaded images into exportable reports.
- **Form & Metadata Management:** Building secure file upload and asset management systems with validation, structured saving, and cleanup mechanisms.
- Structuring SQLAlchemy models for project metadata and implementing modular color assignment logic for materials.
- Processing and normalizing data with Pandas for clean, aggregated reporting.

#### FastAPI Authentication & Secure API Development:

- Developed a secure React login form that authenticates users using a FastAPI backend with JWT. Handled token storage, client-side access control, and protected route redirection. Styled clean UI using Tailwind CSS and implemented proper error handling for user feedback.

#### FastAPI + HTML CRUD Web App:

- Built a full-stack task management app using FastAPI, SQLAlchemy, and SQLite with CRUD functionality, dynamic Jinja2 templates, and responsive HTML/CSS. Implemented task completion tracking and JavaScript-powered interactivity.

#### PHP-based CRUD application with HTML and CSS frontend.

- It stores user information (like name, city, phone, salary) in a MySQL database and allows you to Create, Read, Update, and Delete records. It also includes a dynamic income tax calculator based on fiscal year tax slabs and displays the monthly tax for each user.

### SKILLS

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**BACKEND** | Python • Flask • Fastapi • Django • Php • PostgreSQL • SQLite

**Frontend** | HTML • CSS • React • JS • Jinja2

**DATA ANALYSIS** | PowerBI • Python • Numpy • Pndas • Matplotlib • Plotly • Seaborn

**Version control** | Git • Bitbucket • GitHub

**Project Management Tools** | JIRA

**Document Automation:** python-pptx

### EDUCATION

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MNSUAM, Multan, Pakistan  
BachelorOf Computer Science

Sep 2020 - Jun 2024