TALIB HUSAIN

Associate Software Engineer . Lahore, Pakistan

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www.github.com/talibraath

Summary

Entry-level software engineer with a Bachelor's degree in Computer Science. My expertise includes full-stack development and AI technologies using Python, Django REST Framework, and NextJS. I have a strong ability to build scalable applications, integrate AI and RESTful APIs, and manage databases efficiently while maintaining a commitment to performance and teamwork.

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, SQL
Frameworks & Libraries: Django REST Framework, Flask, FastAPI, Next.js
Databases: MongoDB, MySQL, SQL, Supabase, Firebase
APIs & Tools: RESTful APIs, JSON, Postman, Git, GitHub, VS Code, Linux
AI & Automation: Generative AI, Chatbot Development, AI Agents, LLMs
Deployment: Vercel, Netlify, WordPress Integration, Azure

EDUCATION

Bachelor of Science in Computer Science   08/2021 - 06/2025
FAST – National University of Computer and Emerging Sciences
- **CGPA 3.00**

EXPERIENCE

Associate Software Engineer   07/2025 - 09/2025
Grayphite   Lahore, Pakistan

A software company building scalable solutions for startups and enterprises.
- Developed **RESTful APIs using Python (DRF)** for business automation and internal tools.
- Optimized **MySQL** and **MongoDB** queries, improving data handling performance by 25%.
- Collaborated in Agile sprints, contributing to clean, production-ready code through testing and reviews.
- Assisted in debugging and testing application modules, ensuring clean, production-ready code

Software Engineer Internship   06/2024 - 08/2024
Pluginfy Technologies   Lahore, Pakistan

A company specializing in AI solutions and web development
- Constructed **API endpoints** for AI chatbot clients leveraging **Flask** and facilitating efficient retrieval of conversational data and reducing latency by **300ms**, and accelerating user response times.
- Enhanced database schemas in **MySQL** and **MongoDB**, improving data query performance by 25%
- Participated in Agile team sprints and code reviews, gaining hands-on experience with Git and version control best practices
- Assisted in debugging and testing application modules, ensuring clean, production-ready code

PROJECTS

SmartHire – AI-Powered Recruitment Platform
Final Year Project   08/2024 - 06/2025
Link: https://github.com/talibraath/SmartHire
- Built an AI-based platform to automate job postings, candidate screening, and interview scheduling
- Integrated OpenAI API for intelligent resume evaluation and summary generation
- Developed backend using Django REST Framework with PostgreSQL for data management
- Reduced shortlisting time by over 60% through AI automation

Book-Vault – Book Store   08/2025 - 09/2025
Link: https://book-vault-frontent.vercel.app/
- Developed a full-stack Online Bookstore using React (frontend) and Django Rest Framework (backend).
- Implemented JWT authentication, role-based access, and profile management.
- Built APIs for book catalog, search/filtering, and order management with PostgreSQL.
- Added admin controls for inventory, users, and order workflows, improving system efficiency.

Skill Map Navigator – Career Pathway Explorer   12/2024 - 01/2025
Link: https://skillmapnavigator.com/
- Developed a tool that suggests learning resources and job roles based on user skills
- Used React for the front-end and Node.js for backend service integration
- Helped users find relevant opportunities, improving career planning efficiency

AI-Scorer – Automated Answer Evaluation Tool   05/2025 - 06/2025
    Link: https://ai-scorer.vercel.app/
- Created a web app using LLMs to evaluate student answers and provide instant feedback
- Integrated OpenAI API for content understanding and evaluation logic
- Reduced grading time by 50% via real-time, automated scoring
- Built using Next.js and Node.js for scalability and performance

StoryNest – Personalized Story Generator for Parents   03/2025 - 04/2025
    Link: https://github.com/StoryNest
- Built a story creation tool using OpenAI with Stripe integration for monetization
- Enabled PDF export and custom story generation for over 500 users
- Increased engagement by combining AI with personalized storytelling

AiExpense Reports – Automated Expense Report   02/2024 - 03/2024
    Link: https://aiexpensereport.com/
- Built a web-based tool using AI for receipt classification and data extraction
- Integrated OpenAI for NLP-based parsing and React for the user interface
- Reduced manual financial reporting workload by 70%

Costa Rica Villas – Booking Chatbot Integration   04/2025 - 05/2025
    Link: https://costaricastarvillas.com/
- Embedded a WordPress chatbot to manage booking inquiries and summarize customer intents
- Reduced manual booking tasks by 70% and doubled response time

Write on Time – AI Email Generator   09/2023 - 11/2023
    Link: https://writeontimenonprofit.netlify.app/
- Created an email writing assistant using the MERN stack and OpenAI API
- Increased writing productivity by 40% with intelligent draft suggestions

Academic Involvement & Achievements

- **Dean's List** – 7th Semester   Fall 2024
- Vice President, ACM Student Chapter   10/2024 - 06/2025
  - Organized **FPSC 2024**, one of the largest tech events
- ICPC Programming Contest – Participant
- 4th Place – Blind Coding Competition (Battle 101)