

MUHAMMAD SOHAIB NASEER

Junior Python Developer

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 Lahore, Pakistan

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Professional Summary

Passionate Junior Python & Full-Stack Developer with **3 years** of hands-on experience building web applications using **Python (Flask) and MySQL** in **Backend Development**, **React.js**, and **Tailwind CSS** in **Frontend Development**. Familiar with **API design, authentication, database management**, and **responsive UI development**. Eager to grow skills and contribute to real-world projects by delivering clean, functional backend and frontend solutions. Looking for opportunities to develop as a Python Developer or Full-Stack Engineer.

Work Experience

React JS Developer | Codebotx | 05/2024 - 11/2024

- Built responsive, user-friendly web interfaces using React.js and Tailwind CSS.
- Developed and deployed a live project: **Sample This**, optimized for speed and accessibility.
- Collaborated with team members to improve UI/UX, resulting in improved user engagement.
- Expanded expertise in Next.js for future-ready, server-rendered applications.
- Link: <https://sample-this.netlify.app>

Junior Python Developer (Independent Projects) | 06/2024 – Present

E-Commerce Website (Flask + React):

- Built full-stack platform with Flask backend and React frontend, including authentication, product management, buy & sell, shopping cart, wishlist, checkout, and admin dashboard.
- Integrated Stripe/PayPal payments, secure JWT authentication, and file/image uploads.
- Delivered a scalable solution with responsive UI with carousel, demonstrating both backend and frontend proficiency.

Blog Website (Flask + React):

- Developed secure REST APIs with Flask, Flask-SQLAlchemy, JWT, and Flask-Migrate.
- Implemented user authentication, role-based access (user/admin/superadmin), and CRUD blog management.
- Enabled interactive features like post likes, comments with approval, and contact form integration.
- Designed responsive React UI for seamless blog navigation and content interaction.

Final Year Project – AI-Based Crime Prediction (Python, ML & DL) | 2024

- Researched and developed a system capable of **detecting suspicious and criminal activities** in real-time using **Machine Learning and Deep Learning models**.
- Built a **Python-based pipeline** for activity recognition, **training models on labeled datasets** to improve accuracy.
- Demonstrated potential use in **crime prevention and public safety applications**, showcasing ability to apply **AI/ML** in real-world scenarios.

Education

University of Education, Lahore | 2020 - 2024

Bachelors: Information Technology

CGPA: 3.23 / 4.00

Project

1. **E-Commerce Website (Full-Stack)** – Flask, React.js, JWT, Stripe/PayPal, Tailwind CSS.
2. **Blog Website (Full-Stack)** – Flask, SQLAlchemy, JWT, React.js, SQLite.
3. **Final Year Project (AI-Based Crime Prediction)** – Python, Machine Learning, Deep Learning.

Technical Skills

- ✓ **Languages & Frameworks:** Python, Flask, React.js, Next.js, JavaScript, Tailwind CSS.
- ✓ **Databases:** MySQL, PostgreSQL, SQLite.
- ✓ **Tools & Libraries:** Flask-SQLAlchemy, Flask-JWT-Extended, Flask-Migrate, JWT, Axios, React Router, Framer Motion.
- ✓ **Other Skills:** Responsive Design, API Development, Authentication & Security, Digital Marketing.

Certification

1. Internship Certificate: Web Developer (React.js).
2. TEVTA Certification: Digital Marketing.
3. Computer Short Course: Microsoft Office (Word, Excel, PowerPoint).
4. Participation: 2nd International Conference on RACSIT-2024.