

Muhammad Asad Ullah

+92 331 6333654 | asadullahsahu321@gmail.com | www.linkedin.com/in/asad-ullah321 | github.com/asad-ullah321 | asad-ullah321.github.io

Professional Summary

Backend Developer with 1+ year of hands-on industry experience, skilled in designing and implementing scalable, performance-driven systems. Proficient in writing maintainable and efficient code, with expertise in Ruby on Rails and MERN. Recognized for academic achievements, including a silver medal and Dean's List honors. Driven to explore cutting-edge technologies like Large Language Models (LLMs) to craft innovative and ethical solutions.

Education

FAST National University of Computer & Emerging Science, B.S Computer Science Sep, 2020 – Jun, 2024

GPA: 3.57

Relevant Coursework: Data Structures and Algorithm, Operating System, Software Design and Analysis, Database Systems, Web Programming, Information Security, Artificial Intelligence, Machine Learning, Data Science

Skills

Generative-AI: Llama, Python, Llama-CPP, Fine-Tuning LLM, Automation Bots

Data Science: Data Collection, Data Scraping, Data Annotation, Bulk, Grafana, PowerBI

Web Development: ROR, JavaScript, TypeScript, MERN, Next.JS, Sequelize, Redux, MongoDB, SQL, MySQL, PostgreSQL, Firebase, MVC Architecture, RestAPI, Fast API, Scraping, Selenium, Git

Work Experience

Dubizzle Labs

Lahore, Pakistan

Associate Software Engineer

Jun, 2024 - Ongoing

- Worked on scalable backend system of ([Zameen](#) & [Bayut-SA](#)), capable of handling 1million+ users.
- Contributed to critical feature such as lead management systems and suspension flows, gaining expertise in writing scalable, performance efficient, and maintainable code.
- Collaborated with cross-functional teams and third-party entities, enhancing communication and team work skills

GyroSol

Pakistan

Lead Backend Developer

Oct, 2023 – March, 2024

- Developed backend APIs and designed database schemas for modules like Employee Management and Shift Scheduling, Reports Generation and Payroll Management and Reports Generation.
- Demonstrated proficiency in full-stack development by contributing frontend support for state management, leveraging knowledge of Redux to enhance system performance and user experience.

Microslush

Lahore, Pakistan

Summer Intern

Jul, 2022 - Sep, 2022

- Acquired Proficiency in React.JS, Node.JS, Redux, and Express.JS through hands-on learning during 3 months.
- Developed record management website for a school of 2000 students, tailored to the client need.

Selected Projects (github.com/asad-ullah321)

Echo-AI (Lead Backend Developer) [Demo](#)

Fast API, NEXT.js, Node.js, PSQL, Llama-CPP

- Developed a Gen-AI powered Social Media Content Generation to address the challenges of manual content creation and sharing in today's digital world by fine-tuning open-source LLMS for specific content generation.

Community Education System (Full Stack Developer) [GitHub](#)

React.js, Node.js, Express.js, Mongo, Redux

- Developed a comprehensive management software for a community school, facilitating the transition from manual record-keeping to a streamlined digital solution capable of managing records for up to 2000 students.

DocAdvisor (Full Stack Developer) [GitHub](#)

React, Node, Express, MySQL

- Developed web-app to automate the process of appointment booking, benefiting both patients and doctors.

Algorithm Visualizer (Full Stack Developer) [GitHub](#)

Python, Networkx, Matplotlib, PyQt5

- A desktop application visualizing different AI algorithms to help understand the working of them step by step.

Awards & Honor

FAST NUCES	Silver Medal for Fall 2021	2021
FAST NUCES	4 Dean's List (Fall-2020, Fall 2021, Spring 2022, Fall 2022)	2020 - 2022
AKU-EB	Distinction Award for Computer Science	2018

Hobbies and Interests

- Tech Exploration ([medium](#))
- Watching History Documentaries
- Gaming