MUHAMMAD ZUBAIR

B.E Software Engineer | Full-Stack Dev

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📍 B-88 Kehkashan Society, Malir Halt Karachi

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🌐 https://portfolio-ebon-two-61.vercel.app/

Education

B.E Software Engineering
NED University of Engineering and Technology, Karachi   *Oct 2021 - Jun 2025*
CGPA   :   3.653

Intermediate (Pre-Engineering/BIEK)
Bahria College Karsaz Karachi   *2019 - 2021*
Grade : A+ (95.5%)

Work Experience

Full Stack Developer (MERN/WEB3)
National Incubation Center Karachi (Project FiberSync)   *Apr 2025 - Jun 2025*
Engineered a decentralized textile supply chain platform using Solidity smart contracts, IPFS (Pinata), and a MERN stack portal. implemented multi-agent SCM simulations via AutoGen.

Software Developer Intern
Qavi Technologies , Karachi   *Feb 2024 - Apr 2024*
Developed responsive web interfaces using React.js, TailwindCSS, and MUI and built RESTful APIs with Node.js/Express with implemented auth, dashboards, and reusable components.

Full-Stack Developer (MERN)
Abidi Solutions (Remote) , Karachi   *May 2024 - Jul 2024*
Developed and maintained a full-stack HR management system with check-in/out, time tracking, and attendance modules using MERN stack with automated email workflows via Nodemailer.

Projects

FIBERSYNC (Decentralized SCM) - FYDP 📄
*Developed FiberSync, a decentralized textile supply chain management and logistics suite including web portal and field agent app that integrates blockchain technology to provide immutable record-keeping and traceability across the textile supply chain through **smart contracts.** Integrated **IPFS via Pinata** for decentralized snapshot storage with on-chain hash anchoring. Built AI-powered RAG based report generation with LLAMA 3.2.*
Achievements:
- ***Selected as the only** NED University project to be incubated at **NIC Karachi,** chosen from over **600+ startup contenders.** (Cohort 13)*
- ***Awarded Certificate in Sustainable Innovation** by **NUST PDC, Islamabad,** recognizing the project's contribution to sustainable tech solutions.*
- *Selected for the Final Round (Top 10) of ITCN Asia, Karachi Innovative Competition.*

Tech Stack: MERN, Flutter, Solidity, LLM, Langchain

HOMESHARE (Investment App) 📄
Developed a cross-platform mobile app using Flutter to enable fractional real estate investment. Integrated Firebase for real-time data sync, user authentication through google accounts api, and Firestore-based share tracking. Implemented Stripe API for secure in-app payments and investment processing, ensuring smooth and compliant financial transactions.

Tech Stack: Flutter, Firebase

SALARY PREDICTOR (ANN) 📄
Developed a Streamlit web application using Python to predict customer salary based on historical data. Built and trained an artificial neural network for regression tasks using keras. Performed data preprocessing including cleaning, normalization, and feature scaling to improve model accuracy.

Tech Stack : Keras, Tensorflow , Streamlit

KNOWLINK (Blogging Website) 📄
Built a full-featured blogging platform, Knowlink, using ReactJS and Material-UI for a responsive and engaging user interface. Integrated Quill.js as a WYSIWYG editor for rich text formatting. Implemented user-generated content storage with a MySQL backend, including image handling via BLOB storage. Designed for seamless blog creation and community interaction.

Tech Stack: ReactJs , NodeJs , MySQL

About me

As Web and App Developer and a Software Engineer with a passion for crafting practical and impactful digital solutions. My expertise lies in Full-Stack Development, particularly with the MERN Stack. Driven by a strong commitment to continuous learning. Whether it's developing decentralized solutions or exploring the potential of AI to enhance user experiences, always eager to expand my knowledge and skill set to solve problems.

Skills

Languages: Python, TypeScript, Solidity. JavaScript, C++, SQL

Frameworks/Libraries: ReactJs ., Flutter , NodeJs , ExpressJs , Langchain , LangServe,, NestJs, Web3 Js , Streamlit , Keras , Redux Toolkit

Databases: MongoDB , Supabase, MySQL, Firebase , Appwrite , PostgreSQL

Developers Tools: Git, Gitlab, Docker, TailwindCSS , CypressJs , Postman

Certifications

- Generative AI Specialist Bootcamp, AnalytixCamp – Karachi (2025).
- Ethereum 2.0 Mastery Specialization , Edverstiy - Pakistan (2025).
- Introduction to Cloud Computing, Coursera – IBM (2022).
- Web Application Technologies and Django, Coursera – University of Michigan (2022).
- Python for Data Science, AI & Development, Coursera – IBM (2022).