

MUHAMMAD IBRAHIM KAMAL

FULL STACK WEB DEVELOPER

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SUMMARY

Full Stack Developer and Machine Learning Specialist with expertise in the **MERN stack**, **Python**, and **Cloud Computing**. Skilled in developing **scalable web and mobile applications** and fine-tuning **deep learning models** for tasks like **video classification** and **face detection**. Proficient in **cloud deployment**, **workflow automation**, and delivering **user-centric solutions** with a focus on innovation and scalability.

EXPERIENCE

Full Stack Web Developer

Verticalsols

📅 01/2024 - Present 📍 Multan, Punjab, Pakistan

A technology company focused on software development and AI solutions.

- **Architected robust back-end solutions** using **Django** and **FastAPI**, delivering **high-performance applications** with optimized response times averaging **under 200 milliseconds** for complex data operations.
- **Customized deep learning algorithms** to automate workflows, enhancing operational efficiency and reducing project execution time by approximately **15 hours per week** through streamlined decision-making processes.
- **Developed web applications** like **Booked Direct** (using **Django** and **React**) and a **chatbot for WhatsApp and SMS** (using **Rasa**, **React**, and **Twilio server**).

Full Stack Web Developer

Upwork

📅 02/2022 - 01/2024 📍 Remote

Freelance platform for various projects.

- **Designed and developed web applications** using the **MERN stack** and **Next.js** for **AI-driven projects**, including **szechuan.ai** and **TypeBot.io**. Integrated **AWS Face Recognition**, **Firebase**, **S3 Buckets**, to enhance functionality and user experience.
- **Implemented RESTful APIs** in **Python** within the **LAMP stack**, showcasing proficiency in **backend engineering** and seamless **cross-platform integration**.
- **Enhanced cloud capabilities** by deploying **APIs and applications** on **serverless services**, demonstrating expertise in **scalability optimization** and **cost efficiency**.

Full Stack Intern

Donaldson Enterprises

📅 06/2021 - 12/2021 📍 Multan

A company specializing in various manufacturing and technology solutions.

- **Collaborated with senior developers** on diverse projects, gaining practical experience in **coding**, **debugging**, and implementing **software development best practices**.
- **Engaged in client meetings** to gather requirements, define timelines, and manage budgets, while advancing expertise in **C++**, **JavaScript**, **RESTful APIs**, **SQL**, and **Go** through hands-on project work.

SPECIALIZATION

Machine Learning Specialization

Completed Machine Learning Specialization from **Stanford University** via **Coursera**, gaining expertise in **supervised learning**, **unsupervised learning**, and **reinforcement learning**.
<https://coursera.org/share/8b191e27cb1fdbb2ba84a20ef61b3dd9>

SKILLS

Restful Api Development, Artificial Intelligence, Cloud Computing, Deep Learning, Django, Flask, FastAPI, DNS, Machine Learning, Python, MERN, MEAN, Serverless Computing, SQL & NoSql, Docker

KEY ACHIEVEMENTS

★ Development of AI-based applications and systems.

Developed an AI-powered gallery and an **OBE Management System**, showcasing expertise in **Full Stack Development** and **Machine Learning** to deliver innovative, user-centric solutions.

EDUCATION

BS in Computer Science

Air University Multan

📅 10/2020 - 06/2024 📍 Multan, PB

PROJECTS

OBE Management System

📅 05/2023 - 06/2024

A project aimed at enhancing educational management through technology.

- **Implemented robust OBE (Outcome-Based Education) Management System** to streamline **academic processes**, enhancing efficiency and tracking.
- **Integrated AI-powered analytics** using **OpenAI ChatGPT API** to forecast **student performance trends**, enabling **data-driven decision-making** and improving outcomes.