

MUHAMMAD WAQAR UL MULK

Software Engineer & AI Automation Specialist

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PROFESSIONAL SUMMARY

Innovative Software Engineering student and AI Automation Specialist with demonstrated expertise in developing intelligent solutions for business process optimization. Combines strong technical foundations in Python and Flutter development with entrepreneurial experience running a digital agency specializing in AI-powered data services. Passionate about leveraging artificial intelligence to create practical applications that solve real-world business challenges, with particular focus on automation workflows, data extraction systems, and conversational AI interfaces.

TECHNICAL SKILLS

Programming Languages

Python, Dart, C++, JavaScript

Web & Mobile Development

HTML, CSS, Flutter, Supabase, REST APIs

Frameworks & Libraries

Flask, Firebase, TensorFlow, HuggingFace, LangChain

AI & Machine Learning

AI Automation, AI Agents, Data Scraping, B2B Data Mining, Chatbot Development

Tools & Platforms

GitHub, VS Code, Android Studio, Linux, Windows

Additional Skills

Video Editing, Content Creation, Canva, Figma, Photoshop

PROFESSIONAL EXPERIENCE

Founder & AI Automation Expert

BestDigitalAgency.tech

Jan 2024 – Present | Remote

- Established and currently lead a specialized digital agency focused on delivering AI-powered automation solutions to international clients, resulting in significant workflow optimization and data processing efficiency.
- Engineered sophisticated data scraping systems utilizing custom AI agents built with LangChain and Python, enabling clients to extract valuable B2B leads and market intelligence with minimal manual intervention.
- Developed and implemented comprehensive digital workflows that integrate AI technologies to automate repetitive business processes, reducing client operational costs by streamlining data collection and analysis.
- Manage all aspects of client relationships, project delivery, and business operations while continuously expanding service offerings based on emerging AI capabilities and market demands.

Freelance Developer & AI Consultant

Independent

2023 – Present | Remote

- Designed and developed multiple AI-enhanced web and mobile applications using Flutter and Python frameworks, delivering custom solutions tailored to specific business requirements and user experiences.
- Created robust APIs, intelligent chatbots, and automation tools for business clients across various industries, enabling enhanced customer engagement and operational efficiency.
- Successfully completed numerous academic and commercial projects focused on artificial intelligence, process automation, and mobile application development, consistently meeting or exceeding client expectations.
- Provided expert consultation on AI implementation strategies, helping businesses identify opportunities for technology integration and process improvement.

Digital Marketing Specialist

CrystalSky Homes and Properties

Aug 2024 – Oct 2024 | Bahria Town Lahore (On-site)

- Executed targeted digital marketing campaigns to promote real estate properties specifically to the Canadian market, contributing to international sales growth and market expansion.
- Collaborated with marketing team to develop and implement comprehensive strategies designed to increase property visibility and generate qualified leads from international buyers.
- Assisted in creating compelling digital content and promotional materials that effectively showcased property features and investment benefits to potential overseas clients.

PROJECTS

Fiverr-like Freelancing Platform with AI & Blockchain

Technologies: Flutter, Python, TensorFlow, Blockchain

- Developing an innovative final year project that combines AI-powered matching algorithms with cryptocurrency-based payment systems to create a next-generation freelancing platform.
- Implementing machine learning models that analyze freelancer skills and project requirements to suggest optimal matches, significantly improving the efficiency of the talent acquisition process.
- Integrating blockchain technology for secure, transparent transactions between clients and freelancers, reducing payment processing times and eliminating traditional banking fees.

B2B Data Scraper using AI Agents

Technologies: Python, LangChain, HuggingFace, REST APIs

- Engineered a sophisticated data extraction system utilizing custom AI agents to automatically gather business intelligence from multiple online sources with minimal human intervention.
- Implemented advanced pattern recognition algorithms to identify and extract relevant business data points while filtering out irrelevant information, ensuring high-quality lead generation.
- Developed a user-friendly interface that allows non-technical users to configure scraping parameters and export collected data in various formats for immediate business use.

NTS Test Practice Website

Technologies: React, Supabase, JavaScript

- Created a comprehensive educational platform enabling students to practice for National Testing Service exams with realistic test simulations and detailed performance tracking.
- Designed and implemented a database of practice questions covering multiple subject areas, with difficulty levels that adapt based on user performance.
- Developed analytics features that provide students with detailed insights into their strengths and weaknesses, helping them focus their study efforts more effectively.

Image Compressor App

Technologies: Flutter, Dart

- Developed a fully functional mobile application that enables users to compress images while maintaining visual quality, addressing the common need for efficient media storage.
- Implemented sophisticated compression algorithms that intelligently balance file size reduction with image quality preservation based on user-selected parameters.
- Created an intuitive user interface that simplifies the compression process while providing detailed information about file size savings and quality metrics.

Torch App

Technologies: Flutter, Dart, Local Storage

- Designed and developed a multifunctional mobile application featuring flashlight toggle functionality combined with secure, PIN-protected access to a hidden photo gallery.
- Implemented robust local storage solutions and stateful widget structures to ensure secure handling of sensitive images while maintaining application performance.
- Created an aesthetically pleasing user interface with intuitive navigation and smooth transitions between different application features.

EDUCATION

Bachelor in Software Engineering

COMSATS University Islamabad, Lahore Campus

Expected Sep 2026

- Pursuing comprehensive education in software engineering fundamentals, advanced programming concepts, and specialized AI technologies.
- Actively participating in technical projects and collaborative development initiatives to enhance practical skills alongside theoretical knowledge.

Intermediate in Computer Science (ICS)

Punjab Group of Colleges, Okara

- Completed foundational studies in computer science, including programming basics, data structures, and system architecture.
- Developed strong analytical thinking and problem-solving skills through practical coursework and technical assignments.

Matriculation

Allied School, Depalpur Campus

- Established solid academic foundations with focus on mathematics, sciences, and introductory computing concepts.

ACHIEVEMENTS

- Successfully established and currently operating BestDigitalAgency.tech, providing specialized AI automation and data scraping services to clients worldwide.
- Consistently achieved top rankings in university projects through innovative integration of AI technologies and automation solutions.
- Accumulated over two years of valuable experience in content creation, digital marketing, and client relationship management, developing strong communication and business skills alongside technical expertise.