Hammad Javed

Nationality: Pakistani **Date of birth:** 21/11/2001 **Place of birth:** Lahore, Pakistan

Gender: Male **Phone:** 📞 (+92) 3234559214 (Mobile) ✉ **Email address:**
hammadjaved265@gmail.com 🟢 **Whatsapp Messenger:** +923234559214 in

LinkedIn: https://www.linkedin.com/in/hammad-javed-96419b216 👤 **Github:**
https://github.com/hammad-javed265 📍 **Address:** Gulshan-e-ravi, 54000, Lahore,
Pakistan (Home)

ABOUT MYSELF

I started my career as a **Software Engineer**, where I gained over 3 years of experience in software development and industrial IoT (IIoT) solutions. After that, I began my **Master's in Data Science** to strengthen my skills in data analytics, machine learning, and AI. Alongside my studies, I joined **Stylo Pvt Ltd** as a **Data Analytics Engineer**, where I manage both the **data engineering** and **AI sides** of operations.

My work involves using **Microsoft Fabric** to build and manage **data pipelines and ETL processes**, as well as creating **AI agents** for intelligent automation. I also conduct **research on Stylo's supply chain processes**, focusing on **automating and optimizing planning and distribution** to enhance efficiency, improve decision-making, and achieve better supply chain performance.

WORK EXPERIENCE

Stylo pvt ltd - Pakistan, Lahore
Associate Data Analytics Engineer

[16/06/2025 - Current]

- Build AI Agents to Automate different business Workflows.
- Design and build data pipelines using Microsoft Fabric (Dataflows, Pipelines, Lakehouse).
- Integrate and transform data from multiple sources for analytics and reporting.
- Collaborate with business teams to understand data needs and deliver solutions.
- Monitor data quality, optimize performance, and ensure data governance compliance.
- Work closely with business teams to identify and implement AI solutions.

SA Hamid & Co. - Pakistan, Lahore
Software Engineer | Data Analyst

[17/06/2022 - 15/06/2025]

- I do IOT based Projects, creating the front-end structure of the dashboard according to the client's requirements.
- Then, I fetch data from the client side using cloud services and handle the data in both historical and real-time formats.
- Next, I develop backend logic and display this data visually on the dashboard through charts, reports, alarms, trends, etc.
- I work closely with clients to understand their needs and create websites that meet those requirements.

EDUCATION & TRAINING

Master's in Data Science
Information Technology University - Arfa Tower [19/08/2024 - Current]

City: Lahore │ **Country:** Pakistan

Website: https://itu.edu.pk/

Agentic AI with LangChain and LangGraph

IBM [01/10/2025 - 24/11/2025]

City: Lahore │ **Country:** Pakistan

Website: https://www.coursera.org/account/accomplishments/verify/8XNS8XRHKHCY?utm_product=course

Bachelor's in Business & Information Technology

University Of Engineering & Technology [16/10/2019 - 20/11/2023]

City: Lahore │ **Country:** Pakistan

Website: https://www.uet.edu.pk/

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s): English

SKILLS

Microsoft Fabric | Agentic AI | Data Scientist | Python | ETL | n8n | Data Engineering | Software Develoment | NEXT JS | NODE-RED | Github | IoT, IIoT e Industria 4.0 | MongoDBCompass | Mqtt Brokers

PROJECTS

Improving Supply Chain Operations in Fashion Retail Using Advanced Analytics: Exploring Agentic AI
Project Foundation and Data Collection This phase involves identifying and collecting relevant datasets at Stylo such as sales, inventory, website traffic, and product attributes. It also includes process research and stakeholder interviews to understand current supply chain operations and pain points. Feature engineering will be performed to prepare the data for analysis.

Testing, Operationalization, and Impact Measurement The solution will be tested using Stylo historical data and compared against existing baselines. Collaboration with Stylo IT department will support integration or automation of the system. A live pilot test will be conducted to assess operational performance, and impact will be measured through defined KPIs, capturing improvements in efficiency, decision quality, and profitability. This project's uniqueness lies in its strong industry collaboration, access to internal data, and focus on applied, measurable outcomes. My existing domain expertise as a Data Analytics Engineer at Stylo further enhances the practical value and execution potential of the work.

Human-in-the-loop research playground I built an agent that loves feedback!
Just finalized a LangGraph agent that automatically drafts a detailed Research/Learning Plan and accompanying Presentation Slides. But it doesn't stop there.

I implemented a crucial Human-in-the-Loop checkpoint where users can approve or modify the plan (like adding resources or adjusting focus areas) before finalization. It ensures the AI plan always aligns with human priorities.

Build Data Agent Chatbot Data Agent Chatbot: Developed an intelligent chatbot powered by the **OpenAI API** that connects to an **SQL database**. The bot converts **natural language prompts** into **SQL queries** to fetch and analyze data in real time. It also leverages **example gold queries** to improve accuracy and query generation performance.

Solar Production Prediction Using Machine Learning As a Data Scientist, developed machine learning models to predict solar energy production using weather parameters like solar irradiance, cloud coverage, temperature, and humidity. Preprocessed data through scaling, normalization, and feature engineering. Experimented with multiple models, including ARIMA, PMD ARIMA, SARIMAX, Seasonal ARIMA, Prophet, and Random Forest, to evaluate performance. Conducted extensive parameter tuning to optimize predictions, enabling accurate forecasting for solar production based on environmental factors.

Digital Downtime Monitoring System | Interloop Developed a comprehensive downtime monitoring system to track machine performance, faults, and maintenance activities. Implemented real-time and historical analysis for machine faults, corrective and predictive maintenance. Generated trend reports covering runtime, production time, idle time, and key performance metrics like Mean Time to Repair (MTTR) and Mean Time Between Failures (MTBF). Enabled data-driven decision-making by providing insights into machine efficiency and maintenance needs, improving operational productivity.

Water Purity System | Internet of Things | Fiverr Projects ·I develop water purity monitoring systems for my clients. I gather data from sensors via gateways and transmit it to the cloud. Through the cloud, I retrieve the data using an MQTT broker, and then I create software (a dashboard) to display this data in charts, tables, and alarms. And I also make the User Management System In it.

Production Monitoring System | Haleeb Foods Designed and implemented a real-time production monitoring system for the Haleeb milk plant. Developed a comprehensive dashboard to track key operational parameters, including valve states (open/close), temperatures, and production versus idle states. Integrated real-time and historical data analysis to monitor plant efficiency, generate trend reports, and oversee both real-time and historical alarms. The system provided valuable insights into production performance, enabling better operational control and decision-making.