

EXECUTIVE SUMMARY

An **Expert Data Scientist and AI developer** with 5+ years of experience developing enterprise level AI solutions, achieving 90%+ accuracy in predictive models, and managing projects used by 100K+ users. Developed predictive models for sale business and computer vision models for automation. Managed end-to-end projects and teams with adaptive, collaborative, and excellent communication skills.

FUNCTIONAL EXPERTISE

- Machine Learning / Deep Learning
- DevOps (AWS, GCP, Docker)
- Database Management
- LLMs (Open and Closed Source)
- Forecasting and Data Analysis
- Project Management
- Managing Teams

FUNCTIONAL EXPERTISE DEMONSTRATED

Upwork/Linkedin (Remote)

May 2020 – Present

Data Scientist & AI Engineer

Help businesses make insightful decisions by leveraging state-of-the-art Machine Learning and deep learning models.

- **AI Auto Invoice Processing:** A sophisticated AI project uses deep learning and computer vision to automate invoice processing, detect the tabular structure of (any format) invoices, and generate CSV/JSON outputs— reduces manual invoice **processing time by 70%**. This product is used by **~100k+ customers** and provides instant lag-free processing results. One of the unique aspects of this project is the use of sophisticated technology, which competitors do not offer. I developed and managed the entire AI aspect of the project without using any paid third-party (paid) tool involved NLP, MLOps, PyTorch, Transformers.
- **Data Scientist at Sony PlayStation:** As a data scientist, I analyze various aspects of big companies such as Sony PlayStation internal data, Ubisoft, EA, and Activision. I was responsible for ETL, data processing, generating graphs, creating a web interface for viewing all analyses of ~400K+ rows of data with a one-click convenience, and managing project on GitHub and GCP cloud with CI/CD. I wrote an entire ETL system in Java from scratch that reduced ETL time from **1 hour to 30 seconds, 120x speed improvement** over the previous version.
- **WellKom International:** It is a Microsoft's-backed tech company established in 1998. It provides health care and wellness solutions to B2B companies all over the world, including MTN and Saudi-German hospital where MTN has a **2M+ user base**. I developed the ETL process, PowerBI and Streamlit dashboards, and AI chatbots. I am also **managing a team of 8 developers**.

- **Stock Exchange Prediction:** Help a client, using a Deep learning predictive model with implementing **N-BEAT** forecasting paper with **~90% accuracy** and identifying what impacts most, which helps him get insight and better decisions.
- **Collecting Local City Content:** A successfully executed project where I crawl city data from 15+ websites for ~20k+ zipcodes, generating a vast ~15+ tables and ~200,000+ rows of data maintained over the cloud (MySQL, AWS RDS).
- **Collecting Car Marketplace:** An ongoing project where crawl data for cars from 3 websites, generating data of ~15k+ cars, with ~150+ data added daily. I create, manage, monitor, and maintain the complete project.
- **AI Auto Instagram Collage Maker:** [bigwigmonster](#) is the largest printing media in California. App auto generates collages and collects photos directly from the user's Instagram ID, with a single click using computer vision to determine photo placement on the masked areas like Google Photos AI Collage Maker but with complex image placements. The app served ~50K+ users with daily ~500+ daily usage.

MicroKosm

Jan 2019 – Jan 2020

Asst. Data Scientist and AI Engineer

As an assistant, I help manage the execution of the highest-priority projects and work closely.

- **Forecasting and Data analysis:** Help build insight with Python and PowerBI for clients from the USA, the UAE, and Germany. Build insights for [Telenor Telecommunication Company](#) with their 4 months of data.
- **Database Management/DevOps:** Responsible for managing, monitoring, auditing, and building reports for databases hosted over the cloud (AWS, GCP) and locally and adding scripts to ingest changes.
- **Machine Learning / Deep Learning:** Help enable forecasting and prediction with various Machine learning and deep learning models for Regression, classification, and Computer vision.

RELEVANT PROJECTS

Biometric Iris Recognition Security System: Working with a firm, responsible as an individual AI developer from idea to product. I designed, managed, and developed a complete Biometric solution using Dr. John Daugman Algorithm (developed for the Army during the Afghan war) that couldn't come to market because of the coronavirus outrage. (March 2020)

EDUCATION

Bachelor of Engineering (Avionics Engineering). [The Superior University](#) (Lhr, PK)

Additional Professional Development:

- [TensorFlow Developer Certificate in 2022: Zero to Mastery](#) (Cert. #: [UC-3b749f86-3c07-4a55-8b02-1ae41179c801](#))— Udemmy (2022)

VOLUNTEERISM

Teaching: Help my colleagues learn Python and C++.

OTHER RELEVANT INFORMATION

Additional Languages: Urdu/Hindi (Native), English (Fluent)

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, Node.js, HTML/CSS

Machine Learning & AI: TensorFlow (Deep Learning), Scikit-learn (Machine Learning), LangChain, Llama-index, Large Language Models (LLMs—open and closed sources), MLOps, SpaCy, Computer Vision, Natural Language Processing (NLP), Data Scraping

Data Visualization & Analysis: Tableau, PowerBI, Plotly, Apache Spark

Cloud & DevOps: AWS, GCP, Azure, Oracle Cloud, Docker, DevOps, Kubernetes

Web Development & API: Flask, API Development, FastAPI

Database Management: MySQL, Oracle, PostgreSQL

Version Control & Collaboration Tools: GitHub, Trello, Slack, Asana

Awards: Clubs Communication Head —University's Student Club (2019)