

# Muhammad Haseeb

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## EXECUTIVE SUMMARY

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Full-Stack AI/Java Engineer with 5+ years of experience delivering production-grade solutions in machine learning, deep learning, and robust backend systems. Proven track record automating invoice processing for 100K+ users, reducing ETL time by 120x, and developing scalable microservices serving millions of users. Adept in **Python, Java, ReactJS, Spring Boot, and cloud environments (AWS/GCP)**. Experienced in remote collaboration, leading global teams, and delivering efficient, secure, and high-performing applications.

## SKILLS

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### Full-Stack AI Development

Python, PyTorch, TensorFlow, LLMs, ReactJS, RESTful APIs

### Java Backend

Spring Boot, Microservices, Hibernate, JUnit

### Data Engineering

ETL, SQL/NoSQL Databases, Kafka

### Cloud & DevOps

AWS, GCP, Docker, Kubernetes, CI/CD

## PROFESSIONAL EXPERIENCE

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**Freelancer, Full-Stack AI Engineer**

2020 – present | Remote

### • AI Auto Invoice Processing

- Designed and deployed an AI solution using deep learning and computer vision to automate invoice processing.
- Reduced manual workload by 70% and served 100K+ customers globally.
- **Technologies:** Python, PyTorch, Transformers, Node.js, ReactJS, REST APIs,
- Collaborated with remote teams across the US and Europe, managed CI/CD pipelines for seamless updates.

### • Data Scientist at Sony PlayStation

- Developed a backend data processing system handling large datasets (~400K+ rows).
- Optimized ETL operations from 1 hour to 30 seconds (120x speedup) by leveraging GCP and efficient data pipelines.
- **Technologies:** Java, Spring Boot, GCP, GitHub Actions (CI/CD), Jenkins.

### • PowerUp International (formerly WellKom)

- Led the design of microservices-based healthcare solutions, serving over 2 million users.
- Improved system scalability and reduced latency by 35% through efficient load balancing and container orchestration.
- **Technologies:** Java, Spring Boot, ReactJS, Docker, Kubernetes, Azure.

### • Stock Exchange Prediction

- Implemented N-BEAT deep learning models for stock price forecasting with ~90% accuracy.
- Built a user-friendly frontend in ReactJS; integrated model endpoints via Flask REST APIs.
- **Technologies:** Python, TensorFlow, ReactJS, Flask.

- **Collecting Car Marketplace**

- An ongoing project where crawl data for cars from 3 websites, generating data of ~500k+ cars, with ~10K+ data added daily. I create, manage, monitor, and maintain the complete project.

**MicroKosm**, *Asst. Data Scientist and AI Engineer*

2019 – 2020

Assisted in managing and executing high-priority projects, working closely with cross-functional teams.

- Analyzed and forecasted data for USA, UAE, and Germany clients using Python and Power BI.
- Containerized ML models with Docker and deployed on Kubernetes for scalability.
- Optimized SQL queries and improved system response times by 30%.
- Assisted in integrating machine learning pipelines into backend microservices.
- **Technologies:** Python, AWS, Docker, Kubernetes, Power BI.

## RELEVANT PROJECTS

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### Biometric Iris Recognition Security System

- Developed a secure, full-stack solution for biometric identification using OpenCV and Flask on the backend.
- Implemented Flask-based RESTful services to store and retrieve encrypted iris data.
- **Technologies:** Python, Flask, RESTful APIs, OpenCV, MySQL.

## EDUCATION

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**The Superior University,**

2016 – 2020 | Lahore, Pakistan

*Bachelor of Engineering (Avionics Engineering)*

**Udemy**, *TensorFlow Developer Certificate in 2022*

## OTHER RELEVANT INFORMATION

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**Technical Tools & Platforms:** Python, Java, Spring boot, ReactJs, NextJS, LangChain, LlamaIndex, Jira, Git, Jenkins, Maven, Gradle, AWS, Azure, GCP, Vector database, AI Agents

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