Khawaja Muhammad Haroon

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SUMMERY

Highly experienced professional with **strong expertise in Public Dealing and University-Level Supervision**, gained through hands-on experience as a **Supervisor in an academic environment**, managing **student coordination, public relations, front-desk operations, admissions support, and inter-department communication** with professionalism, confidence, and leadership.

Alongside this, I am a **certified and skilled AI Engineer** with a strong foundation in **building, training, and deploying machine learning and artificial intelligence models** for real-world applications, including **data analysis, automation, prediction systems, and intelligent decision-making solutions**.

I am also a **High-Performance Full Stack Developer**, experienced in developing **scalable, secure, and user-focused web applications**, with strong command over **both front-end and back-end technologies**, API development, responsive UI/UX design, and database management.

Additionally, I hold strong expertise as a **Data Scientist and IT Administrator**, with proven skills in **AWS (EC2, S3, IAM), Git/GitHub, and Linux**, along with **system administration, automation, troubleshooting, cybersecurity best practices, and performance optimization**.

At the operational level, I also bring solid experience in **Office Management and Team Leadership**, where I actively work as a **Team Leader**, managing **staff performance, task distribution, daily operations, reporting, coordination, and overall team productivity** to ensure smooth workflow and organizational efficiency.

Recognized for **excellent communication, leadership, public interaction, mentorship, and collaborative teamwork**, I bridge the gap between **public dealing, technical innovation, and team management** to help organizations grow and succeed in the digital era.

SKILLS

Public Dealing, Office Work & Team Leadership:

- Public Dealing & Client/Student Handling
- University-Level Supervision & Coordination

- Office Management & Administrative Operations
- Team Leadership & Staff Management
- Task Distribution, Daily Reporting & Workflow Monitoring
- Communication, Conflict Handling & Professional Coordination
- Front Desk Operations & Admissions Support

Web Development:

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), Bootstrap, Tailwind CSS, React.js, Next.js, Redux, TypeScript
- **Backend:** Python (Flask, Django, FastAPI), Node.js, Express.js
- **Databases:** MySQL, Titanium DB(TiDB), MongoDB, Firebase, SQLite
- **Other Tools & Libraries:** REST APIs, GraphQL, JSON, AJAX, jQuery, WebSockets

Artificial Intelligence, Machine Learning & Deep Learning:

- **ML Libraries:** Scikit-learn, XGBoost, LightGBM, CatBoost
- **DL Libraries:** TensorFlow, Keras, PyTorch, Theano
- **Computer Vision:** OpenCV, Mediapipe, YOLO, Hugging Face Vision Models
- **NLP (Natural Language Processing):** NLTK, SpaCy, Hugging Face Transformers, Gensim, TextBlob, BERT, GPT-based Models
- **Other Tools:** MLflow, Optuna (hyperparameter tuning), ONNX, TensorRT
- **Specialized:** Recommendation Systems, Time Series Forecasting, Reinforcement Learning

Databases & Cloud:

- SQL (MySQL, PostgreSQL, SQLite)
- Data Analysis & Visualization: Tableau, Power BI
- Cloud Platforms: Huawei Cloud, AWS (EC2, S3, RDS, Lambda, IAM, CloudWatch, DynamoDB), Google Cloud (BigQuery, Firebase), Microsoft Azure (Blob Storage, ML Studio)

Data Analytics & Visualization:

- **Python Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Bokeh, Altair
- **EDA & Reporting:** Streamlit, Dash, Tableau, Power BI, Jupyter Notebook, Google Data Studio
- **Big Data Tools:** Apache Spark, PySpark, Hadoop (basics)

Version Control & Collaboration:

- **Git:** Distributed version control system for tracking and managing code changes.
- **GitHub & GitLab:** Cloud-based hosting, CI/CD integration, issue tracking, and project collaboration.
- **Other Tools:** Bitbucket, Jira, Trello, Slack

Operating Systems & Tools:

- Linux (Command Line, Shell Scripting, System Administration)
- Docker (Containerization), Kubernetes (Orchestration), Ansible (Automation)
- Virtualization: VMware, VirtualBox
- VS Code, PyCharm, JupyterLab

IT & Troubleshooting:

- System Troubleshooting & Maintenance
- Performance Optimization & Security Hardening
- Issue Resolution & Technical Support

CERTIFICATIONS

- **Nuexus** – Artificial Intelligence (Machine Learning & Deep Learning)
- **NAVTTC** – Full Stack Web Development
- **NAVTTC** – Certificate in Computer Applications & Graphic Designing
- **Pingcay Academy** – TiDB Practitioner Certification
- **Confluent** – Data Streaming Engineer Certificate(Link)
- **Coursera** – Introduction to Get and GitHub (Link)
- **Coursera** – Google AI Essentials (Link)
- **Cognitive Class** – Prompt Engineering (Link)

EXPERIENCE

IT Trainer & IT Administrator   [Jan 2025 – Present]

- Deliver **professional training sessions** in **Artificial Intelligence, Python Programming, and Linux System Administration**, significantly improving **technical skills of students and staff**.
- Design and conduct **hands-on workshops** on **Cloud Platforms, Data Analysis, and IT Troubleshooting best practices** for real-world practical exposure.

- Administer **day-to-day IT operations**, ensuring **smooth performance of office systems, networks, hardware, and end-user support services**.
- Manage and maintain **office IT infrastructure**, including **systems, software, and security**, while coordinating with management to **streamline both administrative and technical workflows**.
- Provide **technical leadership, mentoring, and on-the-job guidance** to junior staff and trainees to enhance productivity and service quality.

PROJECTS

1. Web Application Development

- Developed a responsive full-stack web application with authentication and data management features.
- **Tools:** HTML, CSS, JavaScript, React.js, Express.js, Flask, AWS, SQL

2. Data Visualization Dashboard

- Built an interactive dashboard to analyze and visualize datasets, supporting decision-making.
- **Tools:** Power Bi ,Tablue,Python, Matplotlib, Pandas, SQL

3. AI Chabot

- Designed a Python-based Chabot capable of handling user queries using NLP.
- **Tools:** Python, NLP, Machine Learning

4. House Price Prediction

- Implemented a machine learning model to predict house prices using linear regression.
- **Tools:** Python, Scikit-learn, Pandas, Matplotlib

5. Heart Disease Prediction Model

- Developed a machine learning model to predict the likelihood of heart disease based on medical attributes.
- Applied data preprocessing, feature engineering, and classification algorithms to improve accuracy.
- **Tools:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

6. AI Layered Architecture Implementation

- Designed a modular AI system with layered architecture separating **data preprocessing, model training, and deployment pipelines**.
- Ensured scalability, reusability, and easy integration of multiple AI/ML models into a single workflow.
- **Tools:** Python, TensorFlow, Keras, MLflow, Docker

Core Competencies

- **Public Dealing, Client Handling & University-Level Coordination** (Student Support, Front Desk Operations, Admissions Assistance, Professional Communication)
- **Full-Stack Application & Web Development** (Frontend, Backend, Databases, RESTful APIs & Integrations)
- **Machine Learning & Deep Learning** (Model Development, Training, Testing & Production Deployment)
- **Artificial Intelligence & Automation** (AI-Powered Tools, NLP, Intelligent Systems & Workflow Automation)
- **Data Analytics & Visualization** (Tableau, Power BI, Python-Based Visualization Libraries)
- **Python Automation & Web Scraping** (Scripting, Data Extraction, ETL Pipelines & Process Automation)
- **Version Control & Collaboration** (Git/GitHub, CI/CD Pipelines, Agile Project Management)
- **Technical Training & Mentorship** (Workshops, Knowledge Sharing, Student & Staff Engagement)
- **Agile Mindset & Team Collaboration** (Scrum, Kanban, Cross-Functional Team Environments)

EDUCATION

Virtual University   BS CS [2025 – 2029]

Muzaffarabad

 [Achievement, e.g., among the top 5% of the batch]