Khawaja Muhammad Haroon

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SUMMERY

Highly skilled professional with strong experience in public dealing, front-desk operations, admissions support, student coordination, and inter-department communication, demonstrating professionalism, confidence, and leadership.

Certified AI Engineer with hands-on expertise in designing, training, and deploying machine learning and AI solutions, including data analysis, automation, predictive systems, and intelligent decision-making applications.

Experienced Full Stack Developer with a strong command of front-end and back-end technologies, API development, responsive UI/UX design, and database management, focused on building scalable and secure web applications.

Proficient Data Scientist and IT Administrator with practical experience in AWS (EC2, S3, IAM), Git/GitHub, Linux, system administration, automation, troubleshooting, cybersecurity best practices, and performance optimization.

Currently serving as a Team Leader with solid experience in office management, staff supervision, task allocation, reporting, coordination, and improving overall team productivity to ensure smooth daily operations.

Recognized for strong communication skills, leadership, teamwork, and the ability to bridge technical expertise with operational management to support organizational growth 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, TypeScript
- **Backend:** Python (Flask, Django), Node.js, Express.js
- **Databases:** MySQL, Titanium DB(TiDB), MongoDB, SQLite
- **Other Tools & Libraries:** REST APIs, GraphQL, JSON, 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)
- Mongo DB
- 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

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.

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

- **Certiport (Pearson VUE) – JavaScript Specialist**(Verification link)
- **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(verification link)
- **Coursera** – Introduction to Get and GitHub (verification link)
- **Coursera** – Google AI Essentials (verification link)
- **Cognitive Class** – Prompt Engineering (verification link)

EXPERIENCE

IT Trainer & IT Administrator   [Jan 2025 – Present]

• **Provide IT training in Web Development, Office Management, and IT Basics**, helping students and staff build strong foundational and practical skills.

• 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** (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]