

BASIT KHAN

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DATA SCIENTIST

PROFILE

Self-driven AI Engineer and Data Science Developer with project-based experience in Python, SQL, machine learning, and computer vision. Skilled in building end-to-end applications including facial recognition systems, web apps, NLP chatbots, mobile database apps, and intelligent dashboards. Strong foundation in machine learning and deep learning. Certified by Google, DeepLearning.AI, and WorldQuant University. Seeking opportunities to apply AI and data-driven solutions to real-world problems.

WORK EXPERIENCE

FREELANCING, SELF-EMPLOYED

February 2024 – Present

School Management System (Python, Sqlite, Tkinter)

- Developed a desktop app to manage student data and automate sms notifications upon fee submissions.
- Enhanced administrative efficiency by digitizing manual processes.

Cricket Club Mobile App (Python,Kivy, Kivymd, Sqlite)

- Created an android app for managing player records, expenses, and fee tracking with an interactive dashboard.
- Improved transparency and ease of financial reporting.

PROJECTS

Yolo Based Object Detection System (Python, Opencv, Yolo) [Link](#)

- Built a real-time traffic monitoring system to detect vehicles and busy roads
- Enhanced safety and efficiency through visual analytics.

Career Counseling Chatbot (Python, Nlp, Bert) [Link](#)

- Developed a seq2seq chatbot to assist users in exploring career paths.
- Increased user engagement by 10% using nlp techniques.

Tomato Disease Detection Model (Tensorflow, Cnn,Flask) [Link](#)

- Implemented a multi-class classifier to detect tomato plant diseases from images.
- Can reduce crop loss by early disease detection using web app.

FAKE NEWS DETECTION (Python, NLP ,Trasnformers) [Link](#)

- Built an nlp-based model to classify news articles as real or fake.
- Improved detection accuracy over baseline models.

SKILLS SUMMARY

- Languages:** Python, SQL.
- Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, Pytorch, Tensorflow.
- Tools:** Power BI, Excel, PowerPoint,Tableau, MySQL, SQLite.
- Platforms:** Trea, Visual Studio Code, Jupyter Notebook,.
- Soft Skills:** Project Management, Event Management, Team Collaboration, Problem-Solving, Communication Skills.

EDUCATION

University of Engineering and Technology
Bachelor Of Technolgy (B-Tech) Mechanical

Peshawar, Pakistan
June 2015 – May 2019

CERTIFICATIONS

High Impact Training in Data Science and AI (NAVTTTC)

April 2025

- Acquired hands-on experience in building end-to-end data science workflows using Python, machine learning.

Deep Learning Specialization (DeepLearning.AI) [Certificate](#)

November 2023

- Gained practical knowledge of neural networks, CNNs, sequence models using TensorFlow for solving complex problems.

Google Business Intelligence Certificate (Google) [Certificate](#)

October 2023

- Learned to build interactive dashboards and derive actionable insights using tools like Power BI and Tableau

Applied Data Science Lab (WorldQuant University) [Certificate](#)

April 2023

- Applied data science concepts to real-world case studies, with a focus on financial modeling and predictive analytics.

Google Data Analytics Professional Certificate (Google) [Certificate](#)

December 2022

- Developed a strong foundation in data analysis, data visualization, and statistical modeling using Python and SQL.