Kashif Mahmood

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ABOUT MYSELF

I'm Kashif Mahmood, an aspiring Data Scientist with strong foundational skills and a passion for continuous learning and innovation. I'm enthusiastic about solving complex problems and transforming messy data into meaningful, actionable insights. My expertise spans machine learning, deep learning, research work, and computer vision. I am passionate about solving real-world problems and continually advancing my skills through collaboration with industry leaders.

EDUCATION AND TRAINING

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

University of Sargodha, Pakistan [10/2021 – 06/2025]

Link: https://su.edu.pk/

PROJECTS

Smart Image Recognition System
Developed an intelligent image classification system for peanut crop analysis using deep learning techniques. Built with Python and pretrained models such as ResNet-50, EfficientNet, and ConvNeXt, the system supports real-time predictions through a custom Flask API and an interactive web interface.

Employee Retention Predictor
Developed a machine learning-based Employee Retention Predictor using regression models to analyze factors like working hours, salary, and performance.
Implemented data preprocessing, One-Hot Encoding, EDA, and model evaluation using accuracy and confusion matrix to support data-driven HR decisions.

Vehicle Listings Data Extraction
Collected and processed car listings data from a local automotive platform using Python and BeautifulSoup.
Exported the structured data into CSV format for analysis and potential use in data-driven applications.

iDiscuss - Question-Answer Platform
Developed a secure Q&A learning platform using HTML, CSS, Bootstrap, JavaScript, PHP, and MySQL. Implemented XSS protection measures while optimizing performance and database efficiency for scalable, reliable operation.

Library Management System
Built a complete system in C++ to help libraries work better, including: Keeping track of books, Managing library members, Recording book borrowing and returns, Searching books

RESEARCH EXPERIENCE

[2024 – 05/2025]

Final Year Project: Smart Agriculture Systems for Peanuts

Utilized Advanced Deep Learning models including ResNet-50, EfficientNet-B0, B4, ConvNeXt-Tiny, Base, and Small for highly-accurate analysis.

Applied cutting-edge techniques including Convolutional Neural Networks (CNNs) and Transformers for Classification, Disease Detection, Pest Attack Identification and Maturity assessment.

Published a Review paper in IEEE Access and Two Technical papers are ready to submit.

Link: https://drive.google.com/drive/folders/1pCOdOmKrz0HfZzDBJsYKMHpgLPpckbyE?usp=sharing

TECHNICAL AND NON TECHNICAL SKILLS

Programming Skills and Tools

Python, PHP, MySQL, NumPy, Pandas, Seaborn, Matplotlib, Scikit-learn, PyTorch, BeautifulSoup, PowerBI, Jupyter Notebook ,Jira, Microsoft Project, Git, GitHub, Visual Studio Code, MySQL Workbench.

Soft Skills

Leadership, Problem Solving and Communication Skills

LEADERSHIP AND COMMUNITY IMPACT

Vice President of Technical Wing in SE Spectrum

Played a pivotal role in organizing departmental events to build teamwork.

Head of Data Science group in Techive Society (a university level society)

Led various seminars and workshops related to Data Science.

Data Science Community

Built a growing community sharing insights and fostering knowledge in Computer and Data Science through hosting seminars in university. Hosted seminars on various topics such as "The Role of Data Science in AI and Automation", "The Future of Work and Emerging trends", and "The Code Mindset".

HONOURS AND CERTIFICATIONS

Data Science Career Path (From Udemy)

Numpy, Pandas, and Python for Data Analysis (From Udemy)

Essential non technical skills of effective data scientist (From Udemy)

Hands on Python Data Science – Data Science Boot Camp (From Udemy)

Python for Data Science pro: The complete mystery course (From Udemy)

What is Data Science? By IBM and Coursera

REFERENCES

References

Link: https://drive.google.com/drive/folders/1FRdvSG-ci9uqbU7GSGWUuu-2QplikdW-?usp=sharing