# Maham Mansoor

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## EDUCATION

**Pak-Austria Fachhochschule Institute of Applied Sciences and Technology** Haripur
*BS-AI* *2023-2027*

**Govt Associate College for Women HassanAbdal** HassanAbdal
*HSSC* *2021-2023*

**Govt Girls High School HassanAbdal** HassanAbdal
*SSC* *2019-2021*

## EXPERIENCES

**ScaleUp @PAFIAST — Deputy Director Finance** Sept 2024 – Present
*Haripur*

- Managed financial planning, budgeting, and expense tracking for Gamepreneurship 25, a large-scale event blending gaming and entrepreneurship. Collaborated with cross-functional teams to ensure efficient resource allocation and cost-effective execution. Contributed to strategic decision-making, supporting ScaleUp's mission to foster innovation and professional growth.

**Media Hicon Web Solution and SEO Agency— Internee Developer** July-Aug 2024
*Hassan Abdal*

- Learned SEO, data entry, and WordPress, gaining hands-on experience in optimizing digital content, managing websites, and ensuring data accuracy. Eager to apply these skills in a professional setting while continuously learning and growing in digital marketing and web management.

**Kanz-ul-Iman School—*Science & Computer Teacher | Operations Coordinator*** 2020-2024
*Hassan Abdal*

- Taught board-level classes and managed school operations Delivered engaging lessons in Mathematics, Physics, Chemistry, and Biology to board-level students. Designed and taught a foundational course in Basic Computer Skills, covering essential digital literacy. Actively managed school operations, assisting in daily administrative tasks and ensuring smooth academic flow.

## PROJECTS

**Research: Enhancing AI for Deepfake Detection |** *Python*, *scikit-learn*, *seaborn*, *Pandas*, *NumPy*, *Google Colab*, *Machine Learning*

As a Trainee ML Engineer, I am working on training and testing machine learning models to improve deepfake detection and misinformation analysis. With deepfake technology advancing rapidly, developing robust AI models is essential to counter its risks. In this research, I focus on dataset preprocessing, model training, and performance evaluation, contributing to AI-driven solutions for detecting manipulated content. Excited to explore further and advance the fight against AI-generated misinformation!

**Deepfake Detection using FaceForensics++ |** *Python, TensorFlow, Keras, OpenCV, FaceForensics++(dataset), Jupyter Notebook*

Currently developing a deepfake detection system using the FaceForensics++ dataset. The project focuses on training deep learning models to identify manipulated facial content in videos. Includes preprocessing video frames, applying CNN-based architectures for classification, and evaluating model accuracy. Aims to enhance online content verification and fight misinformation through AI-powered detection

**Stock Price Prediction System** | *Python, Pandas, NumPy, scikit-learn, Matplotlib, Jupyter Notebook*

Developed a machine learning-based system to predict stock prices using historical market data. Implemented data preprocessing, feature selection, and regression algorithm(like Linear Regression) to forecast future stock trends. Visualized trends and prediction accuracy using Matplotlib. The system helps investors make informed decisions

**Stock Price Tracking System** | *C++, Data Structures & Algorithms (DSA), HTML, CSS, JavaScript*

Designed and developed a console-based stock price tracking system using core C++ and Data Structures & Algorithms (DSA). Implemented features such as stock sorting, searching, and historical data tracking using arrays, linked lists, and custom logic. Also created a web-based frontend interface using HTML, CSS, and JavaScript for improved user interaction. Collaborated with Syed M Zain Raza Kazmi on design, implementation, and testing. The project enhances understanding of DSA concepts and their practical application in financial data management..

**Predictive Modeling for Agriculture |** *Python, scikit-learn,seaborn, Pandas, NumPy, Jupyter Notebook*

Completed a guided machine learning project on DataCamp to assist a farmer in selecting the most suitable crop with minimal soil testing. Due to budget constraints, the farmer could measure only one out of four key soil parameters. Focused on feature selection, model evaluation, and real-world resource optimization in agriculture

## ACHIEVEMENT

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**Academic Excellence & Merit Scholarship**

- Secured CGPA **3.86** overall with consistent academic performance. Achieved place in Dean's List of Honour in both 1st and 2nd semesters. Awarded **100%** Merit Scholarship based on academic performance. Scored a perfect **4.0** GPA in 3rd semester, earning a position in the Rector's List of Honour.

## TECHNICAL SKILLS

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**Programming Languages**

- C++
- python

**Key Skills**

- Machine Learning: Python, scikit-learn, seaborn, pandas, numpy, matplotlib, Regression, Classification
- Data Analysis: Python, NumPy, Pandas
- DBMS: MySQL, MongoDB
- DSA: C++ (arrays, linked lists, sorting, searching, stacks, queues)
- SEO: Content Writing, Keyword Research
- WordPress
- Prompting: ChatGPT, DeepSeek, Gemini
- Linux: Ubuntu
- HTML, CSS
- Artificial Intelligence

**Tools**

- VS CODE
- Google Colab
- Linux - Ubuntu
- Jupyter Notebook
- ChatGPT, Deep Seek

**Soft Skills:**

- Communication
- Problem Solving
- Decision Making
- Critical Thinking
- Leadership
- Teamwork
- Socialization