Ahsan Ashraf

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Education

National University of Computer and Emerging Sciences | **September 2021 – Present**
Bachelor of Science in Computer Science | *CGPA: 3.7/4.0*

Adamjee Government Science College | **September 2019 – July 2021**
Higher Secondary Education Certificate | *Percentage: 95.5*

Experience

Capelin Solutions | **March 2024 – Present**
Junior Python Developer | *Remote*
- Created Python scripts to generate podcast feeds in XML format to host audio files and feed data using Azure Storage.
- Implemented file transfer between Azure Storage accounts for seamless migration of audio files and utilized XML parsing to structure podcast feeds with playlist data for improved organization.

CodSoft | **February 2024 – March 2024**
Data Science Intern | *Remote*
- Developed **sales prediction model** using regression techniques, optimizing advertising strategies for businesses.
- Employed regression techniques to **predict movie ratings** based on genre, director, and actors.
- Engineered **credit card fraud detection system**, training classification algorithms to identify fraudulent transactions, by achieving high precision in credit card fraud detection, minimizing false positives, and accurately identifying fraudulent transactions.

Projects

AK Car Rental Website | *React.js , Node.js , Express.js , MySql* | **December 2023**
- Managed full-cycle development of a sturdy car rental platform with 8-10 pages, integrating a user-friendly portal for smooth car rentals and a detailed admin dashboard. Designed a scalable solution with features like live tracking of rental requests, car registration for listings, and user administration. Introduced an update system for prompt notifications of rental status changes. Resulted in a highly efficient system for enhanced user and admin experience.

Algorithm Visualizer | *Python, Tkinter, Networkx, Matplotlib* | **November 2023**
- Led the development of robust Python implementations for Convex Hull and Line Intersection algorithms, crucial components in computational geometry. Implemented visualization features using Tkinter for interactive exploration, and Networkx to create different sorts of graphs.

Technical Skills

Languages: Python, C/C++, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Jupyter Notebook, Google Colab, Azure
Technologies/Frameworks: Machine Learning, OpenCV, Linux, Git, Yolo, GitHub, Django, WordPress

Honors And Awards / Extracurricular

Association for Computing Machinery - ACM | **Fall 2023 – Present**
Content Head | *National University Of Computer and Emerging Sciences*

Dean's List | **National University Of Computer and Emerging Sciences**
Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023

Hackathon | **ByteCorp Procom**
Runner Up | *AI / ML Solutions for Fleet Management*

Certifications

Data Science Professional Certificate: IBM
Crash Course On Python: Google
Django Web Framework: Meta
Introduction to Computer Vision and Image Processing: IBM
Neural Networks and Deep Learning: DeepLearning.AI
C and C++ Specialization: University of California, Santa Cruz