NOOR FATIMA

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Artificial Intelligence undergraduate (CGPA: 3.27) with a solid academic track record—97.81% in Intermediate and 95% in Matric. Skilled in Python, C++, OOP, and Data Structures & Algorithms (DSA), Web Development, Machine Learning. Developed an Airport and Hotel Management System in Java to streamline reservations and resource tracking. Engineered a Castle-based Python game with real-time controls and visuals. Designed an Interactive Learning Platform using SQL for dynamic quiz and user progress tracking. Built a Bank Marketing Predictor using machine learning to enhance campaign targeting. Applied ANN and CNN models for regression and classification with high model accuracy. Executed multiple end-to-end ML projects, showcasing strong skills in data preprocessing, model tuning, and evaluation.

PROFESSIONAL EXPERIENCE

Collaboration and Marketing
- IEEE, COMSATS Chapter
- (Feb 2024 – Present)

- Promoted technical events and workshops through digital channels.
- Assisted in creating banners, reels, and content for Instagram and WhatsApp groups.

Tutored students at home
- (May 2023 – Sep 2023)

- Improved students' conceptual understanding and exam readiness through consistent evaluation and feedback.
- Built strong communication and time-management skills while handling multiple students weekly.

EDUCATION

- BS Artificial Intelligence - COMSATS University Islamabad | 2023 - 2027 | CGPA: 3.27
- Intermediate (Pre-Medical) – Punjab Group of Colleges | 2019 - 2021 | Score: 97.81% (1076/1100)
- Matriculation (Medical) - Divisional Public School | Score: 95% (1049/1100)

SKILLS AND ACCOMPLISHMENTS

- Programming: Python & its framework, C++, Java (Basic), HTML, CSS, JavaScript, Node.js, React.js, MongoDB, SQL, Machine Learning.
- Data analysis :NumPy, Pandas, Matplotlib, Keras, Sicikit-Learn.
- Tools: Canva, Google Sheets, MS Office
- Soft Skills: English, Critical Thinker, Curious Learner, Responsible

CERTIFICATIONS & COURSES

- **Python** Certificate – Kaggle
- **CB3 e-Learning** Certificate
- **Freelancing** Certificate – Digiskills
- **KUKA Robots** Certificate – Udemy
- **Data Analytics & Business Intelligence** Certificate - Digiskills
- **Python** for Beginners - Programming Hub
- **ALPHA 3.0** (DSA C++) - Apna College
- **Delta 3** (MERN Stack) - Apna College| till in process
- **HTML and CSS in depth** - Meta | *2024*

PROJECTS

Airport Management System – Java
- Developed a Java-based console application for airport management using OOP principles like inheritance and polymorphism for modular design.

Castle Game Development – Python
- Created a text-based adventure game featuring castle exploration and Focused on game logic design, beginner-friendly structure, and user interaction.

Interactive Learning Platform – SQL
- Designed a backend database schema for a quiz-based learning platform.
- Used joins, views, and stored procedures for efficient query handling.

Bank Marketing Predictor – ML
- Built a classifier to predict customer response to bank marketing campaigns. and Used logistic regression and decision trees with feature scaling and Evaluated models using confusion matrix, accuracy, precision, and recall.

Regression & Classification - ANN & CNN
- Implemented Artificial Neural Networks and Convolutional Neural Networks for tabular and image data.
- Used **TensorFlow/Keras** to build and train models on real-world datasets.