

# EISHA NADEEM



AI Engineer & Data Analyst

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AI Engineer and Data Analyst with a strong foundation in machine learning, data analytics, and backend development. Experienced in building data driven applications, and intelligent search systems using Python-based technologies. Possesses hands on internship experience in ML, deep learning, and analytics, with a research-oriented mindset and a proven ability to deliver end to end technical solutions. Passionate about applied AI, automation, and impactful real world systems..

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## EXPERIENCE

### MACHINE LEARNING INTERN

*ELEEVO PATHWAYS* | **AUG 2025 – SEP 2025** | **Remote**

- Worked on supervised learning problems including multi-class classification and feature engineering.
  - Performed model evaluation, comparison, and hyperparameter tuning.
  - Technologies: Python, scikit-learn, XGBoost, Random Forest, Matplotlib.
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### ARTIFICIAL INTELLIGENCE INTERN

*CODE SENTINEL* | **AUG 2025** | **Remote**

- Built and evaluated regression and classification models.
  - Implemented neural networks and transfer learning pipelines.
  - Deployed AI powered web applications.
  - Technologies: Python, TensorFlow, Keras, scikit-learn, Streamlit.
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### DEEP LEARNING INTERN

*INFOTECH SOLUTIONS* | **JUN 2025 - AUG 2025** | **Remote**

- Worked on a transformer-based Text-to-Speech (TTS) system using multi-speaker audio data.
  - Handled audio preprocessing, feature extraction, model training, and evaluation.
  - Technologies: Python, PyTorch, TensorFlow, torchaudio, librosa, HuggingFace.
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## EDUCATION

### BACHELORS IN COMPUTER SCIENCE

COMSATS UNIVERSITY ISLAMABAD

02/2022 – 01/2026 | CGPA: 3.56

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## SKILLS

- **Programming Languages:** Python, C++, Java (basics).
  - **Data Tools:** Excel, Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Google Colab.
  - **AI & Machine Learning:** Excel, Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Google Colab, Scikit-learn, CV, NLP-based query systems, image classification, feature extraction, SVM, pattern recognition, and intelligent search systems.
  - **Web - Data Automation:** Web scraping (BeautifulSoup, Selenium), basic API handling.
  - **Soft Skills:** Communication, Teamwork, Critical Thinking, Problem Solving, Leadership, Technical Documentation
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## PROJECTS

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### Wardrobe Genius – An Intelligent Clothing Search Engine

- Developed an AI-powered clothing search engine with NLP based query understanding and visual similarity matching.
- Extracted and managed data from multiple fashion websites using web scraping.
- Implemented intelligent search using text and image features.
- **Technologies:** Python, Selenium, TypeScript, Node.js.

### Digital Image Processing – Menu Based System

- Built a Python based system for applying core image processing operations including filtering, edge detection, segmentation, and noise reduction.
- **Technologies:** Python, OpenCV, NumPy.

### SVM-Based Object Classifier

- Developed an image classification system to distinguish between fighter jets and drones.
  - Implemented feature extraction and trained supervised ML models for object recognition.
  - **Technologies:** Python, OpenCV, scikit-learn.
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## CERTIFICATIONS & COURSES

- **Deep Learning with PyTorch** – Coursera
- **Introduction to Neural Networks and PyTorch** – Coursera
- **Deep Learning with Keras and Tensorflow** – Coursera
- **Introduction to Deep Learning & Neural Networks with Keras** – Coursera
- **Google Project Management** – Google | Coursera
- **Machine Learning with Python** – Coursera
- **IBM AI Fundamentals** - Coursera

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## LEADERSHIP & ACTIVITIES

**General Member** – COMSATS Literary Society (CLS)

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## ACHIEVEMENTS

- **Certificate of Achievement** – COMSATS Literary Society (CLS) | *Nov 2025*  
Awarded for active contribution as a member of the Events Club, demonstrating dedication, teamwork, and organizational skills in supporting society-led activities and events.
  - **Certificate of Organizer** – COMSATS Literary Society (CLS) | *Nov 2023*  
Recognized for successfully organizing the *Creative Canvas Competition* during Student Week, showcasing leadership, event management, and coordination skills.
  - **Certificate of Participation** – Business Idea Competition (Bizz Buzz) | *COMSATS University Islamabad*  
Presented a business idea and received appreciation for innovation, feasibility, and effective presentation skills.
  - **CEATS Mathematics Contest** – CEATS | *2017*  
Secured **10th position at the district level** and **28th position nationwide** among 293 participants, reflecting strong mathematical proficiency, analytical reasoning, and competitive problem-solving abilities.
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