Zaid Ahmed

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Karachi, Sindh - 75850, Pakistan

OBJECTIVE

AI/ML enthusiast skilled in Python, Data Science, and Web Tech, aiming to solve real-world problems through full-stack innovation.

EXPERIENCE

• TechnoHacks EduTech Official [⊕]   *Sep 2023 - Oct 2023*
Machine Learning internship   Remote
  ◦ Developed scalable and accurate predictive models using Python and TensorFlow.

  ◦ Tuned and optimized ML models for high performance, improving model accuracy and reliability.

  ◦ Gained hands-on experience with supervised learning techniques and data preprocessing pipelines.

• Elektro Control Industries(PVT) [⊕]   *Aug 24 - Oct 24*
Software Developer Internship   NASTP, Karachi
  ◦ Assisted in the development and debugging of industrial software applications.

  ◦ Collaborated with senior developers to integrate backend logic with user interfaces.

  ◦ Strengthened understanding of software lifecycle, version control, and team collaboration.

WeAlif [⊕]   *Aug 23 - Oct 23*
Research Department internship   Pindi, Punjab , (Remote)
• Conducted extensive data research and analysis from multiple.

Tajob [⊕]   *Aug 23 - Oct 23*
Research Department internship   Pindi, Punjab , (Remote)
• Conducted extensive data research and analysis from multiple.

Aptech Learning North Nazimabad [⊕]   *Dec 24 - Present*
Junior Faculty Member   Nazimabad, Karachi
• Delivered lectures and hands-on training on frontend web technologies including HTML5, CSS, and JavaScript.

• Mentored students on industry trends and project execution techniques.

EDUCATION

• Karachi Institute of Economics and Technology | KIET   *Feb 22 - Present*
BS Artifcial Intelligence   karachi, Pakistan

• St Patrick's College   *2019 -21*
Pre-Engineering   Karachi, Pakistan

PROJECTS

• Machine-Translation-Using-NLP
Tools: [Python-NLP]   [⌂]
  ◦ Built a seq2seq translation pipeline with custom tokenization and embedding layers using Python NLP.

  ◦ Designed preprocessing and evaluation modules to ensure performance and reliability in translation tasks.

• TSP-Problem-Using-ACO-Cuckoo-Search
Tools: [Python-Swarm Intelligence]   [⌂]
  ◦ Developed a hybrid ACO and Cuckoo Search solver for the TSP problem using Python.

  ◦ Integrated adaptive pheromone updates and levy flight to enhance optimization and scalability.

• MACHINE-LEARNING-MODELS
Tools: [Python-ML]   [⌂]
  ◦ Implemented various ML models using Scikit-learn and evaluated them across multiple datasets.

  ◦ Built automated pipelines for model selection and performance comparison in Python.

• Artificial-Neural-Networks
Tools: [Python-Ann-ML]   [⌂]
  ◦ Built a customizable ANN framework in Python using TensorFlow/Keras for classification tasks.

  ◦ Used TensorBoard for real-time visualization of training metrics and model performance.

CERTIFICATIONS

- **Introduction To Python on DATACAMP**
- Intermediate Python on DATACAMP
- Introduction to Generative AI on Google Cloud Skills Boost
- **Understanding Artificial Intelligence on DATACAMP**
- **Intro to Machine Learning on KAGGLE**

SKILLS

* **Programming Languages:** Python, JavaScript, SQL

* **Web Technologies:** HTML, CSS, JavaScript, Tkinter, Flask, Django

* **Version Control:** Git

* **Other Tools Technologies:** AI, ML, Data Science, Scikit-learn, TensorFlow, NLP, Computer Vision, Swarm Intelligence