SHAYAN ABRAR

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PERSONAL STATEMENT

Passionate Computer Science student with a strong foundation in AI and machine learning, graduating soon and eager to transition into a professional AI engineering role. Skilled in Python programming, data analysis, and machine learning frameworks, with hands-on experience developing algorithms and working with transformer models. Currently expanding expertise in generative AI through academic projects and continuous learning, focusing on practical applications of deep learning and natural language processing.

EXPERIENCE

- **Outlier AI [🌐]** *Oct 2024 - Feb 2025*
  AI Data Trainer (Remote) San Francisco, USA
  - Trained 500+ AI responses, reducing factual errors by 30 percent through iterative feedback.
  - Engaged in text conversations with AI models, providing feedback on language accuracy, cultural nuances, and tone to enhance performance.
  - Reviewed AI responses for factual errors, grammar, and adherence to instructions, ensuring truthful, relevant, and harmless outputs.
  - Assessed voice responses for clarity, verbosity, and instruction compliance, prioritizing harmlessness, truthfulness, and relevance.
  - Collaborated with AI developers to refine language capabilities, streamlining communication, and improving human-like interaction quality.
- **Maestro Solutions Ltd. [🌐]** *Jul 2025 - Present*
  Internship (On-Site) Shyamoli, Dhaka
  - Developed a Python-based interactive GUI tool using Tkinter, Matplotlib, and MySQL, capable of visualizing real-time network traffic data from server logs.
  - Designed and implemented dynamic scatter and bar charts to analyze IP hit counts and destination port distributions on specified dates.
  - Wrote optimized SQL queries to extract top IPs and port usage trends from large log datasets.
  - Automated detection of abnormal traffic by filtering zero-hit ports and visualizing high-frequency activity.

EDUCATION

- **American International University - Bangladesh** *Feb 2022 - June 2025*
  BSc in Computer Science and Engineering Kuril, Dhaka
  - CGPA: 3.56/4.00
- **Govt. Mohammadpur Model College** *Apr 2018 - Feb 2020*
  HSC Mohammadpur, Dhaka
  - CGPA: 4.92

PROJECTS

- **Project A: Cipher Encryptor/Decryptor** *Dec 2024*
  Python
  - Developed a substitution cipher to transform text using randomized character mappings.
  - Developed text transformation algorithms with parallels to NLP tokenization and efficient reversible mappings.
- **Project B: Dice Rolling Simulator** *Oct 2024*
  Python
  - Developed a probabilistic simulation tool that generates random dice rolls with configurable inputs, displaying results via ASCII art.
  - Demonstrated randomness generation (statistical modeling foundation), data visualization (ASCII output), and user input handling (analogous to ML parameter tuning).

SKILLS

- **Python:** NumPy, pandas, Matplotlib
- **AI/ML Libraries:** Hugging Face Transformers, spaCy
- **Frameworks:** PyTorch (priority for research roles), TensorFlow (for deployment)
- **Version Control:** Git/GitHub

PUBLICATIONS

C=CONFERENCE

[C.1] Shayan Abrar, et al. (2025). **"Smart Diagnosis and Early intervention in PCOS: A Deep Learning Approach to Women's Reproductive Health"**. In *16th ICCCNT 2025*, IEEE Xplore. [ACCEPTED]