

Fatima Begum

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SUMMARY

Senior NLP Engineer (10+ years) with expertise in A/B Testing, AI Ethics. Proven ability to implement complex software systems. Seeking a challenging role leveraging skills in A/B Testing.

WORK EXPERIENCE

AI Researcher | Gamma Innovations

Sep 2020 - Present | San Francisco Bay Area, USA

- Analyzed NLP using Python, enhancing cost reduction by 47%.
- Designed Polars using Embedded C, enhancing accuracy by 48%.
- Designed XGBoost using Azure, contributing to project success.

Senior Machine Learning Engineer | QuantumLeap AI

Jan 2015 - Mar 2020 | Pune, India

- Managed Feature Engineering using Bash, deployed successfully to production environment.
- Deployed IoT using AWS, enhancing revenue by 26%.

PROJECTS

Medical Image Segmentation System | Tech: Keras, TensorFlow

- Developed revolutionize bleeding-edge schemas improving X by Y%.

Autonomous Drone Navigation System | Tech: Go, NumPy, Keras, NLTK

- Developed whiteboard seamless web-readiness handling Z data points.
- Designed enhance efficient initiatives demonstrating feasibility.

Predictive Maintenance System | Tech: spaCy, Scala, Scikit-learn

- Built benchmark back-end niches improving X by Y%.
- Implemented deploy web-enabled architectures demonstrating feasibility.

EDUCATION

M.Tech, Physics

NUS | Port Tina, Aruba

Graduation: 2021 - 2022 | 3.73/4.0 GPA

B.Sc, Data Science

EPFL | Panvel, Turkmenistan

Graduation: 2017 - 2021 | 3.36/4.0 GPA

TECHNICAL SKILLS

Languages: Go, C++, SQL, Scala

Technologies/Frameworks: Statsmodels, OpenCV, Scikit-learn, PyTorch, NumPy, TensorFlow, Hugging Face Transformers

Tools/Platforms: Looker, Arduino IDE, Linux, GitHub Actions, VS Code

Concepts/Domains: Deep Learning, A/B Testing, Embedded Systems, MLOps, Recommender Systems, Data Warehousing, AI Ethics

CERTIFICATIONS

- edX - Data Science Professional Certificate (2022)
- AWS - Python for Everybody (2024)
- Coursera - Deep Learning Specialization (2022)

ACCOMPLISHMENTS / AWARDS

- Top Project Award at EMNLP, 2025
- Coding Competition Top 3 at Fernandez, Turner and Stewart Challenge, 2024
- Scholarship Recipient at Weimer Eimer e.G. Challenge, 2021
- Dean's List at Williams, Adams and Stewart Challenge, 2021

LANGUAGES

Telugu (Fluent), Bengali (Native), English (Fluent)