

TASKEEN JAFRI

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SUMMARY

An ambitious and motivated applied mathematics student with a 4.00 GPA and a passion for space research and AI. Skilled in Python, JavaScript, NextJS, and Google Cloud. Experienced in leading and collaborating on various projects, such as ScamBuster, iGrader, and NumIQ. Seeking to apply my knowledge and skills to a challenging and rewarding position as a researcher.

PROJECTS

ScamBuster

06/2023 - 02/2024 <https://scambuster7.wordpress.com/>

- Developed ScamBuster - an SMS (aka Text Messages) Classification App that identifies scam/spam messages, with a team of three.
- Fine-tuned BERT model used in ScamBuster to classify SMS messages, with an accuracy of over 99.2%.
- Worked with Google Colab and coded using PyTorch library.
- Hosted the model on HuggingFace Interface API, enabling broader accessibility.
- Developed UI with Java for the mobile app.

iGrader

10/2023 - 10/2023 <https://igrader.vercel.app/>

- Made iGrader at a hackathon with a team of 4. It helps teachers grade more easily and consistently.
- Worked on the website's back-end. Used Tesseract OCR, ChatGPT (GPT-4), and Nougat API for testing.
- Integrated ChatGPT API and Tesseract OCR API for operating the tool.

NumIQ

07/2023 - 07/2023

- Built a CNN using PyTorch to classify handwritten digits in the MNIST dataset.
- Achieved 99.7% accuracy on the MNIST dataset using SGD optimizer and cross-entropy loss function.
- Optimized the model for performance using various techniques, such as batch normalization and dropout.

WEBSITES

[in LinkedIn](https://www.linkedin.com/in/taskeenjafri/)

<https://www.linkedin.com/in/taskeenjafri/>

[Website](https://tjafri.com/)

<https://tjafri.com/>

SKILLS

[Python](#) [JavaScript](#) [TypeScript](#) [Java](#) [NextJS](#) [React](#)

[Nodejs](#) [Flask](#) [Google Cloud](#) [Google Colab](#) [Docker](#)

[Git](#) [BERT](#) [CNN](#) [Machine Learning](#) [PyTorch](#)

[ChatGPT API](#) [HuggingFace API](#) [Whisper API](#)

[Nougat OCR API](#) [Tesseract OCR](#)

[Fusion360](#) [SketchUp 3D](#)

EDUCATION

Bachelor of Science (B.S.)

[Arizona State University](#)

01/2023 Tempe, AZ

- Bachelor of Science (B.S.), Applied Mathematics
- Dean's List: Fall 2023
- 4.00 GPA

LEADERSHIP EXPERIENCE

Financial Manager

[The AI Society](#)

09/2023 - Present

- Created budget requests and managed funding for the student organization with over 250 students.
- Collaborated with a diverse team to organize events and workshops focused on Python models, including topics like Zero-Shot VQA and models utilizing Whisper AI STT & Google TTS.

Volunteer

[Open Door Event](#)

02/2024 - 02/2024

- Represented Windhorst's Cosmology group, engaging with visitors and sharing insights into cutting-edge research.
- Demonstrated effective communication skills and passion for scientific outreach.

Volunteer

[Natural Restorations](#)

01/2024 - 02/2024

- Collaborated with Ecoculture and Natural Restoration organization to plant native trees along the Lower Salt River on January 27, 2024, enhancing the wildlife habitat and preventing soil erosion.
- Contributed to the planting of thousands of mesquite and willow trees, which provide shade, food, and shelter for wildlife and improve water quality.

Volunteer

[ISSC](#)

10/2023 - Present

- Volunteered for various ISSC events at ASU, including the International Story Slam night, Global Eats and other multicultural events. Responsibilities included setting up, serving, and cleaning up.