M. Saad Khan

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Summary

I have a passion for a fast-paced, growth rate environment. Drawing from experience in various courses, projects, and an extensive rigour in AI harness, enables me to identify problems, and work with others or independently to solve complex problems.

Computational Courses

- Kaggle Intermediate Machine Learning
- Google Advanced Data Analytics Certificate
- 5-Day Agents: Intensive Vibe Coding Course With Google

Education

University of Gujrat, Gujrat, Pakistan **Nov. 2021 - Jun. 2025**
Bachelor of Science in Biotechnology

Experience

ML Intern (Aldemy)

- Worked alongside a team in building small AI models who could be used as the evaluation systems for the student's performance in tests. My work specifically was in LoRA, and RAG

Startup Founder

- I've been working on my pre-funded startup for the past 5 months to build its first prototype, and the work heavily inclined towards computational biology, DS, and DL

Projects

Figure1 Lab

- A project to reproduce the Figure_1 of a computational biology research paper. I read the paper, learnt the biological nuance, located the data, and code, and re-run the analysis. During the process, I solved missing dependencies & incompatibility errors.

Virtual Cell Challenge

- I'm participating in one of the largest Arc Institute-led challenges to develop an accurate model for the virtual cell which is sponsored by NVIDIA and other top corporations. I'm working alongside a cross-border team to build an AI model that could effectively predict the cell behaviour after the perturbations.

Genetic Algorithm Implementation

- This is a small project in my early days to see how we take optimization problems and solve them. I got an exposure of how algorithms work and learnt new concepts.

Kaggle Competitions

- I take part in Kaggle competitions once in a while to implement what I learned from their courses.

Technical Skills

Management: Asana, Slack.
P. Language: Python. R, Bash, Rust.
Libraries: Numpy, Pandas, Matplotlib, Scikit-learn, Tensorflow, Bioconductor, Tidyverse.Alloy, Foundry
Technologies: Linux, GitHub, Docker, Nextflow, Snakemake

Leadership / Extra-curricular

SciBiz (2024)
Founder / Former Vice-President

- Society with an aim to promote inter-disciplinarity within the university's premises.

Kaar-e-Kamal (2024)
Managing Director

- An NGO that is striving to alleviate poverty in Pakistan.