Shigraf Salik

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Hello!

Shigraf Salik is an enthusiastic Computer Science student currently in 3rd year. He is a driven **Machine Learning and AI Engineer** with a strong inclination towards **cybersecurity!!!**.

Technologies

Languages: HTML, CSS, C++, C, Java, SQL, JavaScript, Python

Libraries/Frameworks: PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, Seaborn, Node.JS, Express.JS

Software: Microsoft SQL Server, Visual Studio Code, Jupyter Notebook

Tools: Git, MongoDB, Docker, Postman

Platforms: Windows, Ubuntu, Kali, Colab, Google Cloud, AWS

Languages: English, Hindi, Urdu, Bengali, Arabic

Education

MAKAUT, B.Tech in Computer Science — Sept 2022 – May 2026

- **Coursework:** Computer Architecture, Artificial Intelligence, Comparison of Learning Algorithms, Computational Theory

Experience

Machine Learning Intern, Heva AI – Kolkata, India — Oct 2024 – November 2024

- Worked with EDF files for epileptic patients.
- Implemented Vision Transformers aimed for EEG data such as MViT models.
- Helped in setting up the infrastructure over GCP.

Student Campus Ambassador, Jurni.io – London, UK(Remote) — Oct 2023 – Nov 2023

- Got the Jurni newsletter 200+ new readers.
- Recruited 10+ students for the Jurni team.
- Took part in the social media management team for the instagram handle.

Projects

Text-To-Speech Finetuned Model — github.com/ShigrafS/TTS

- Retrained and finetuned Microsoft SpeechT5 for Hindi Dataset and a custom made Technical English Vocabulary.
- Tools Used: Python, PyTorch, Colab

Paper Implementation: Attention is all you need 2017 — github.com/ShigrafS/Transformer

- Implemented the classic research paper on Transformer Vaswani et al 2017.
- Built my own transformer from scratch to learn about the internal working and architecture of transformers and LLMs.
- Tools Used: Python, PyTorch, Colab

Paper Implementation:An Image is worth 16x16 Words 2021 — github.com/ShigrafS/ViT

- Implemented the research paper on Vision Transformer Dosovitskiy et al 2021.
- Developed an understanding of how to make my own transformers and to apply it in general and for Vision probelems in particular.
- Tools Used: Python, PyTorch, Colab

DoggoVision github.com/DoggoVision

- A deep learning project where I used TensorFlow to fit the Stanford dog breed dataset to MobileNetV2, a CNN developed by Google, to recognize the dog breed from a given image of a dog.
- Tools Used: Python, Tensorflow, Colab

Additional Experience And Awards

Bharat Scouts & Guide Member (2010-2013): Have served as a Scouts member for BSG and served as a patrol leader for 2 years, leading my patrol in various treks and camping.

Prefect (2012-2013 and 2019-2020:

- Served as a prefect at my school twice, helping the faculty in management and routine administration at school.
- Represented the school at various competitions such as the Inter-School Bourn Vita quiz, TTIS inter-school competition and more.
- Led the management of the individual houses for house sports teams.

Best Speaker, School Debate: Culmination of my public speaking with being awarded the Best Speaker award for the Senior Debate Competition at School.