SYED TAHA

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PROFESSIONAL SUMMARY

Skilled software engineer with a background in AI and neural networks, skilled in developing and implementing AI models using Python. Experienced in creating custom neural network architectures and GANs, with a focus on computer vision applications. Demonstrated ability to solve complex problems and contribute to open-source projects.

TECHNICAL SKILLS

Languages	C++, Python, Bash
Concepts	Artificial Intelligence, Machine Learning, Deep Learning Object Oriented Programming, Git and GitHub.
Tools & Libraries	TensorFlow, Jupyter Notebooks

EXPRERIENCE

Software Engineering Fellow — July 2024 - Present

Headstarter AI — *Remote*

- Developed and Deployed Personal Website Landing Page**:** Designed, developed, and successfully deployed a professional landing page to showcase personal projects and achievements.

PROJECTS

- **Generative Adversarial Networks (GAN):** Created a GAN with convolutional layers for generating 28x28 pixel images, demonstrating AI model implementation skills. (GitHub)
    - **Technologies:** Python, Jupyter notebooks, Tensorflow
- **Chess Engine in C++:** Developed a chess engine with advanced AI for move validation and gameplay strategies. (GitHub)
    - **Technologies:** C++, Bash, Python, Raylib(C++)
- **Neural Network from Scratch:** Designed and implemented a feedforward neural network in C++, covering aspects such as neural network architecture, activation functions, loss calculation, and backpropagation. (GitHub)
    - **Technologies:** C++

EDUCATION

Bachelor of Science, Computer Science, Institute of Business Administration (IBA), Karachi, Sindh
Expected May 2027

HOBBIES

- **Photography** : Passionate about capturing moments and exploring different photography techniques.
- **Making 3D Art and Visualizing Concepts** : Enjoy creating animations and visual models to illustrate complex ideas.
- **Teaching** : Dedicated to sharing knowledge and helping others understand difficult concepts. (LinkdIn)