Amaan Shaikh

ML Engineer / Data Scientist

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LinkedIn Link   GitHub Link   Portfolio Link

EDUCATION

SSC - New Grace English School	**March -2019**
HSC - Poona College of Art, Science & Commerce	**June 2019 - April 2021**
BE in Artificial Intelligence and Data Science -Zeal College of Engineering and Research	**December 2021 - July 2025**

SKILL SUMMARY

Frameworks	Scikit-learn, TensorFlow, PyTorch, Hugging Face Transformers, Pandas, NumPy, Matplotlib, Seaborn
Machine Learning	Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering),Model Evaluation, Data Cleaning & Preprocessing, Feature Engineering
Deep Learning	Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Transformers, Generative Adversarial Networks (GANs)
Tools	Google Colab, Hugging Face Hub, n8n, Jupyter Notebooks Github,Version control Docker
Model Deployment & Integration:	Model Training Pipelines, API Integration, AI Workflow Automation with n8n
Natural Language Processing	Stemming ,Lemmatization,Tokenization,stopwords,Post_tag,Word2Vec,word Embedding etc

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INTERNSHIP

Avirait Technologies (January 20, 2025 - Present)
- I am Currently working as a Full Stack Web developer Inter

Nexus Info (January 08, 2024 - February 08, 2024)
- During my internship at Nexus Info, I had the opportunity to work on various web development projects, which gave me hands-on experience in the industry. I supported the Customer Showcase project by developing and optimizing web applications, ensuring an easy user experience.

PROJECTS

BarberEase (In development)
- BarberEase is an innovative web application designed to simplify the process of booking barber appointments. Built using Next.js, this platform offers a seamless experience for both barbers and customers, ensuring convenience and efficiency in managing appointments.

F1 Lap Time and Pit strategy Predictor using Machine Learning
- Built a Flask-based web app to predict Formula 1 car lap times and when to Pit using real race telemetry data and ElasticNet regression,Logistics regression,Gridseach cv and class weight training, achieving high R^2 accuracy. and

E-Commerce Clone
- In today's digital age, having an e-commerce website for your product line is essential. In this project, I have creating an e-commerce website for Jordan shoes using Next.js and Node.js for backend development.

Predict Diabetes and Heart Disease risk App

- Developed an AI-powered web app using Flask and Next.js to predict Diabetes and Heart Disease risk based on medical data. Integrated real-time ML inference with user-friendly frontend and visual result interpretation (confusion matrix, probabilities).

Language Translation model

- I developed a sequence-to-sequence model capable of translating between languages with accuracy and efficiency. This project demonstrates my ability to preprocess large text datasets, train models on meaningful language pairs, and evaluate performance using metrics like BLEU score. The implementation reflects a deep interest in NLP and showcases the practical application of cutting-edge AI techniques to solve real-world communication challenges.

CERTIFICATES

Complete Web Development- Dr Angela Yu	2023
Developing Frontend Apps with React- IBM	2023
Developing Backend with Node and Express- IBM	2023
Getting Started with Git and GitHub- IBM	2025
Complete Data Science,Machine Learning,DL,NLP Bootcamp	2025