

# Amaan Shaikh

Full Stack Web Developer / Machine Learning Enigneer

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LinkedIn [Link](#)   GitHub [Link](#)   Portfolio [Link](#)

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## Professional Summary

Motivated Full Stack Developer skilled in building scalable web apps using modern frameworks like Next.js and Node.js. Pursuing B.E. in AI & Data Science with hands-on experience in end-to-end project development.

Familiar with Agile practices, team collaboration, and real-world problem solving.

Also proficient in Machine Learning, with experience in model building and deployment using Python and Flask.

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## SKILL SUMMARY

<b>Languages</b>	JavaScript ,TypeScript, Python, C++, C, React.js, JQuery, Tailwind, Bootstrap,
<b>Frameworks</b>	React-Native,React-Native-expo,Next.js Scikit-learn, TensorFlow, PyTorch, Hugging Face Transformers, Pandas, NumPy, Seaborn Matplotlib,
<b>Backend</b>	Node.js, Express, Mongoose Nextjs
<b>Api</b>	REST, Socket ,GraphQL
<b>Database</b>	Mongo db, Mysql ,Postgresql
<b>Machine Learning</b>	Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering),Model Evaluation, Data Cleaning & Preprocessing, Feature Engineering
<b>Deep Learning</b>	Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Transformers, Generative Adversarial Networks (GANs)
<b>Tools</b>	Google Colab, Hugging Face Hub, n8n, Jupyter Notebooks ORM-Prisma,Git, Version
<b>Model Deployment &amp; Integration:</b>	control, Docker,Tableau Model Training Pipelines, API Integration, AI Workflow Automation with n8n
<b>Natural Language Processing</b>	Stemming ,Lemmatization,Tokenization,stopwords,Post_tag,Word2Vec,word Embedding etc

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## PROJECTS

### BarberEase (In development)

- Built a barber appointment booking platform enabling users to find nearby barbers, view schedules, and book slots. Focused on creating a user-friendly UI and real-time scheduling updates.

### 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,Gridsearch cv and class weight training, achieving high  $R^2$  accuracy. and

### InstantConnect Chat App

- Designed and deployed a real-time chat room supporting group messaging with dynamic user lists. Emphasized fast socket communication and user experience

### DeepFake Faceswap

- Project focuses on creating realistic deepfake face swaps using the Quick96 model from the DeepFaceLab framework. The Quick96 model offers a balance between training speed and quality, making it ideal for generating convincing face swaps with limited resources.(Project is kept Private to prevent missuse)

### 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).

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## Internship

### Full Stack Intern - Avirait Technologies (Jan 2025 - May 2025)

- Developing a scalable internal tool using React and Node.js.
- Collaborating with backend team to optimize REST APIs and handle database queries.

### Web Development Intern - Nexus Info (Jan 2024 - Feb 2024)

- Contributed to the Customer Showcase project with front-end enhancements.
- Improved page load speed by optimizing images and refactoring reusable components.

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## 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 - June 2025

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## 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

2025

Bootcamp

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