Mohammad Samir Khan

3277mdsameerkhan@gmail.com | (902) 238-9465 | github.com/msamir-17 | linkedin.com/in/mohammad-samir-khan |

EDUCATION

Viva Institute of Technology - Mumbai   *January 2023 - December 2026*
Bachelor of Computer Science in AIML

Pravin Patil Polytechnic - Mumbai   *August 2021 - May 2023*
Diploma of Science, Computer Science & Engineering

EXPERIENCE

Ybl-Foundation — *AIML Intern* (Mumbai)   *June 2024 – July 2024*

- Built predictive models for House Price and Diabetes Prediction using Python, Pandas, and Scikit-learn, achieving up to 15% improved accuracy through optimized feature engineering.
- Streamlined data pipelines by implementing data cleaning and preprocessing, enhancing model reliability and performance.
- Developed and fine-tuned ML algorithms (linear regression, decision trees, logistic regression) for real-world applications.
- Collaborated with a team to analyze large datasets and deliver actionable insights, demonstrating strong problem-solving and communication skills.

LiveTech-India — *Software Engineer Intern* (Mumbai)   *July 2022 - August 2022*

• Mastered Python programming and OOP concepts, building 3+ projects like a Calculator and Currency Converter to solve real-world problems.

• Wrote, debugged, and optimized Python scripts, applying data structures, loops, functions, and file handling for efficient code.

• Strengthened problem-solving skills by completing small-scale projects under mentor guidance, ensuring high-quality deliverables.

SKILLS

Django | Python | JavaScript | React | Node.js | Express.js | Artificial Intelligent | Machine Learning | Git | Numpy | Seaborn |

HONORS & ACHIEVEMENTS

BIS Presentation Competition

Viva Institute Of Technology   *Jan 2024*

- 2nd Place **in BIS Presentation Competition**: at **Viva Institute of Technology** for the project **"Information Security and Privacy System"**, earning a cash prize
- Collaborated with a talented team and received guidance from **Professor Karishma Raut**, showcasing teamwork, innovation, and technical expertise.
- Demonstrated strong presentation skills and a deep understanding of **information security** concepts.

MumbaiHacks (24 Hour Hackathon) — **Mumbai**   *October 2024*

- Participated in Mumbai Hacks, the world's largest hackathon, earning a **Guinness World Record** and sponsored by **Meta, NVIDIA**, and other leading organizations.
- Collaborated with a team to develop an impactful project in a fast-paced environment.
- Designed and implemented **interactive, user-friendly interfaces** as the **front-end developer**.
- Focused on creating an **intuitive UI** to enhance accessibility and engagement.
- Contributed to the success of a **record-breaking event** and celebrated the **team's efforts and achievements**.

PROJECTS

FIT4YOU

- Developed a full-stack AI-powered fitness web app for personalized health and workout experiences
- Integrated AI-based diet and meal plan recommendations
- Built an interactive AI fitness assistant using Google Gemini API
- Implemented real-time workout posture detection with rep counter using Mediapipe & OpenCV
- Tech stack: Next.js (frontend), Firebase (auth & storage), FastAPI (backend), Google Gemini AI (intelligence)