SAHIL SHAIKH
AI / ML / DATA SCIENCE / DEEP LEARNING

+91-9518755570 | sahil.shaikh24@aiml.sce.edu.in | 🔗 [LinkedIn Profile] | 🌐 [Portfolio Link]

🖥 GitHub | 📍 Nerul, Navi Mumbai | 🖥 [LeetCode] | 📝 [Medium]

PROFESSIONAL SUMMARY

Results-driven and detail-oriented Artificial Intelligence and Machine Learning (AI/ML) undergraduate (3rd year) with a strong foundation in Deep Learning, Computer Vision, and Predictive Modeling. Demonstrated success in building high-accuracy, scalable AI models using feature engineering and model optimization techniques. Proficient in Python, Data Structures and Algorithms (DSA), and modern AI/ML frameworks such as TensorFlow, PyTorch, and Scikit-learn. Hands-on experience in developing end-to-end AI solutions, with a growing focus on Prompt Engineering for LLM-based applications.

EDUCATION

Bachelor of Engineering in Computer Science (AIML)   **Jan 2023 – Present**
Saraswati College of Engineering, University of Mumbai
- CGPA: 9.64 (Semester 1 to 4)
- Relevant Coursework: Deep Learning, Natural Language Processing (NLP), Computer Vision, Generative AI, Data Structures and Algorithms (DSA) and Machine Learning (ML).

HSC Science - 12th Grade   **Jan 2021 – Jan 2023**
Nowrosjee Wadia College, Pune
- Grade: A | Subjects: Physics, Chemistry, Mathematics, Biology (PCMB), Information Technology

SSC Schooling - 10th Grade   **Jan 2011 – Jan 2021**
Don Bosco High School, Pune
- A+ Grade | Part of Science and Scouting Club

TECHNICAL SKILLS

- **Programming Languages:** Python 3, Java, C Programming, HTML5, CSS, JavaScript, SQL
- **Frameworks:** OpenCV, TensorFlow and PyTorch
- **Developer Tools:** VS Code, Google Colab, GitHub, JDK, Eclipse, Jupyter Notebook, Anaconda, IDLE, Turbo C ,Hugging Face
- **Data Science & Machine Learning:** Deep Learning, Generative AI, Predictive Modeling, Pattern Recognition, AI, EDA, Data Visualization, Data Preprocessing & Cleaning, Model Evaluation and Analysis, Supervised/Unsupervised Learning, Transfer Learning, Neural Networks, Hyperparameter Optimization, Fine-Tuning Models, Feature Extraction, Ensemble Learning, Random Forest, Image Recognition & Classification
- **Libraries & Tools for ML/Data Science:** Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn
- **Algorithms:** DSA, Advanced Algorithms
- **Other Relevant Skills:** OOPS (Object-Oriented Programming), ChatGPT, Deepseek, Perplexity AI

PROFESSIONAL EXPERIENCE

Machine Learning Intern   **Dec 2024 to Jan 2025**
ORINSON TECHNOLOGY PRIVATE LIMITED
- Developed regression/classification models, improving accuracy by 15% via feature engineering.
- Optimized hyperparameters using GridSearchCV, reducing model training time by 20%.
- Worked on hyperparameter tuning and model validation strategies.
- Deployed TensorFlow models in production, achieving 90%+ precision on real-world datasets.
- Utilized PyTorch and Scikit-learn in real-time ML pipelines.

Internship
- Developed responsive Landing web-pages
- Optimized and research on article and upcoming ML technologies

PROJECTS

Dog Identification Project (DIP) | Python, TensorFlow and Deep Learning.
- Achieved 94% accuracy in classifying 120 dog breeds using MobileNetV2
- Trained on Kaggle's Dog Vision Dataset with an accuracy of 94%

Advanced Object Placement Model (AOPM) | OpenCV, Scikit-learn and AIML.
- Implemented an object placement system that seamlessly inserts objects into background images.
- Trained on OPA Dataset to integrate objects into backgrounds with 88% placement realism.

CheckMax The Ultimate Testing Kit | NLP and AI
- Built an AI system to auto-generate questions, evaluate responses for plagiarism and AI usage.
- Models Used: Sentence Transformer (all-mini-lm-l6-v2), RoBERTa OpenAI Detector, Flan-T5-Large.

Advanced_NeuroNutrigenomics-AI | Supervised learning, Machine Learning
- Developed a deep learning–based mental health diagnostic tool to predict types of Depression, Anxiety, and Bipolar Disorder, leveraging multi-class classification and data preprocessing for clinical AI applications.

Bull Dozer Future Price Detection | OneHotEncoder ,KN-neighbour and ML
- Forecasted bulldozer prices using regression on historical Kaggle data, with 90% accuracy.

Advanced Time table Generator | DSA and backtracking
- Forecasted bulldozer prices using regression on historical Kaggle data, with 90% accuracy.

Scrape_Wise - Ultimate Web Scraper | Web Scraping, Python3, BeautifulSoup & Requests
- Engineered an intelligent scraping tool that extracts contact data, detects scam indicators, & generates a confidence-rated CSV report, combining web scraping, data validation, and heuristic analysis.

Sentiment Analysis | Supervised learning, NLP and Machine Learning
- Developed a web-based sentiment analysis tool to classify movie reviews as positive or negative.
- Accuracy : 97%

CERTIFICATIONS AND COURSE

- DSA Using Python (On-Going) - NPTEL and TakeUForword.org
- Complete AIML and Data Science - Zero To Master Academy | **Certified**
- AI Agent Architecture - IBM | **Certified**
- Deep Learning and Neural Networks | **Certified**
- Artificial Intelligence | **Certified**

ACCOMPLISHMENTS

- Secured "**First Rank in academics**" with an average SGPA of 9.74 in first academic year
- Participated in 5+ Hackathons with notable project contributions

EXTRACURRICULAR ACTIVITIES

Computer Society of India (Member)   **Aug 2023 - Present**
- Engaged in AI/ML workshops, coding challenges, and tech networking events.

College Coding Club (Member)   **Aug 2023 - Present**
- Developed team management and interpersonal skills through coding competitions and projects.