Atharva Shetty

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EDUCATION

Indian Institute of Information Technology (IIIT), Nagpur   December 2021 – May 2025
B.Tech in Computer Science and Engineering   *Nagpur, India*

PROFESSIONAL EXPERIENCE

SassyClicks Solutions   August 2024- Present
Data Science Intern, Analyst Division
- Utilized Python to implement machine learning and Data Science techniques to draw meaningful insights from customer data along with utilization of stats models for performance enhancement
- Automated data workflows by developing Python scripts, saving 5+ hours per week in manual reporting tasks.
- Performed data extraction, cleaning, and preprocessing on large datasets (500k to 2M rows) using Python, Pandas, and SQL along with the data stored in Hadoop Distributed File Systems, reducing data preparation time by 20%

Visvesvaraya National Institute of Technology, Nagpur : Research Intern   September 2023- December 2023
Research AI/ML/Data Science Intern
- Built a sleep cycle classification model using Python, TensorFlow, PyTorch, and MATLAB to process and analyze EEG brain data converted to scalogram images with around 100k images.
- Utilized machine learning algorithms for accurate sleep stage classification, leveraging time-frequency analysis and signal processing techniques and bagged an accuracy of 77.14%.

Technical Skills

Languages/ Libraries/ Databases/ Tools: Python,C++, Tensorflow, Keras, Pytorch, Numpy, Pandas, Matplotlib, Sklearn, MySQL, Flask, Git/Github, Jupyter Notebook, Colab Notebook, VS Code.

Data Science/Machine Learning and Big Data: Hadoop, Spark, Docker, Kubernetes, CI CD Pipelines,Agile, MLOPS

Miscellaneous: Statistics, Data Science Pipeline(Cleansing,wrangling,visualization,modeling,interpretation), A/B Testing, ETL,Hypothesis Testing, OOPs, LLMs, Gemini, GPT, Langchain.

Course Work: Data Structures and Algorithms, Object Oriented Programming, Operating System, Design and Analysis of Algorithms, DBMS, Computer Networks, Machine Learning, Cryptography and Network Security, Compilers.

PROJECTS

Medical QA Chatbot with LLM-powered LangChain and Llama2 | Python, Langchain, Llama2| *GitHub*   **April 2024**
- Designed and developed a medical question-answering chatbot leveraging LangChain's retrieval capabilities and Llama2's natural language processing power.
- Enabled users to access information on general medical topics through an interactive interface. (Trained on a dataset of medical journal articles)

MUSIC RECOMMENDATION BASED ON FACIAL EXPRESSION |Tensorflow, Python, Sklearn, Matplotlib | *GitHub*   **April 2023**
- Engineered and deployed a system for music recommendation based on facial expressions, using image analysis and machine learning techniques with 95% accuracy on emotion detection.
- **Problem Solved**: Enhanced user music experience by providing personalized music recommendations based on their facial expressions, improving engagement and satisfaction in the music and podcast industry.

ACHIEVEMENTS

- Led team to **victory at 2023 Gen-A-Thon**, a national Level hackathon; crafted innovative solution, securing first place among 1000 participants.. Link   **October 2023**
- Earned the **Most Innovative Practical Solution Award** at Version Beta, the National Technical Fest of NIT Bhopal, in recognition of a pioneering and practical solution. Link   **December 2023**
- **Ranked 1st** globally among 19k participants in Codechef Long May 2022 and **2nd globally** among 28k participants in Codechef Long September 2022. Link

POSITION OF RESPONSIBILITY

- **Lead of AI TALKS** and **Colead of ML Enthusiast;** AI,ML, Data Science Communities of IIITN.   **January 2024 - Present**
- Co-led the Content Team for Abhivyakti 2024, IIIT Nagpur's annual cultural festival, overseeing the creation of tailored content for orators and providing essential content for other events.   **January 2024- March 2024**