MOHAMMED SARIM

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Education

Aligarh Muslim University **Aug 2023 – Present**
Master in Computer Applications *Aligarh, India*

Aligarh Muslim University **Aug 2020 – July 2023**
Bachelor of Science in Computer Applications *Aligarh, India*

Experience

Computer Science Society **Mar 2023 – May 2023**
Competitive Programming Intern *Aligarh, India*

- Sharpened problem-solving skills by tackling over 300 medium-difficulty competitive programming problems on Leetcode, solidifying algorithmic foundations and enhancing time management under pressure.
- Collaborated effectively with fellow interns during weekly coding challenges, fostering teamwork, communication skills, and preparing for future technical interviews by designing efficient solutions and clearly explaining my thought process.

SmartKnower **Mar 2022 – May 2022**
Data Science Intern *Remote*

- Developed and deployed predictive models using machine learning algorithms to optimize marketing strategies and forecast customer behavior.
- Conducted data research and analysis, providing actionable insights to support business decision-making and process improvement.

Projects

Health Discernment System **February 2023**

- An AI-powered web app analyzes symptoms and medical history to predict potential illnesses, offering personalized health assessments. Its user-friendly interface empowers individuals to proactively engage with their health, while continuous updates keep the app at the cutting edge of medical advancements.

Used: Python, Tensorflow, Scikit-Learn, HTML, CSS, JavaScript, Tailwind, Flask, SQLite.

Dr Recorder **July 2023**

- A web-based application that enables users to record, upload, and process audio recordings in English and Hindi for speech-to-speech translation research. The app integrates with Google Drive for storage and uses pydub for audio processing, ensuring high-quality recordings. It features a secure user registration and login system with hashed passwords, and provides a user-friendly interface for recording and managing audio files.

Used: Python, HTML, CSS, Bootstrap, Javascript, Flask, Pydub, Flask-Caching, SQLite, Google Drive API,

Technical Skills

Programming Languages: Python, Java, C++, JavaScript
Machine Learning & Data Science: Scikit-Learn, TensorFlow, Keras, NLTK
Database Management: MySQL, SQLite
Version Control & Deployment: Git, Docker, Heroku, Vercel, GitHub Pages
Other Tools & Technologies: MS-Suite, Markdown, Power BI

Leadership / Extracurricular

Machine Learning Lead **August 2023 – August 2024**
GDSC - Aligarh Muslim University *Aligarh, India*

- Led the Machine Learning division, organizing events to enhance ML awareness and skills among students.
- Orchestrated a hackathon, enabling students to showcase their innovation and problem-solving skills in ML.
- Mentored students on ML concepts, fostering a collaborative learning environment within the GDSC community.

Extracurricular

- Authored a research paper: *'Machine Learning-Based Predictive Modeling of Student Counseling Gratification: A Case Study of AMU'* (Scopus)
- Earned the IBM Data Science Professional Certificate, Machine Learning Specialization (DeepLearning.ai), and Scientific Computing with Python (freeCodeCamp)
- Runner-up, AMU Hacks 2.0 University Hackathon (03/2023): Developed a Driver Drowsiness Application using machine learning for real-time fatigue detection through facial feature analysis.