

ATHAR SAYED

ACADEMIC DETAILS

Mukesh Patel School of Technology, Management & Engineering, NMIMS	2024 - 2026
<ul style="list-style-type: none">M. Tech. – Artificial Intelligence (CGPA:8.82/10)	
Symbiosis Institute of Engineering and Technology, Symbiosis International University	2019 - 2023
<ul style="list-style-type: none">B.Tech. – Electronics & Telecommunication EngineeringHonors in Mechatronics & Automation (CGPA: 7.11/10)	

PROJECTS

IOT Based Stampede Detection System	2023
<ul style="list-style-type: none">Developed an IoT-based system to detect stampedes using data from four vibration sensors.Created an in-house dataset consisting of sensor readings (independent variables) and a binary stampede indicator (dependent variable).Conducted data preprocessing with 2K data samples and optimized model performanceTrained a Logistic Regression model, achieving 93% accuracy in classification.	
ScriptSense: Personality Prediction from Handwriting using Deep Learning & Graphology	2025
<ul style="list-style-type: none">Leveraged CNN-based deep learning and rule-based graphology to analyze handwriting and predict personality traits such as introversion/extroversion, emotional stability, and discipline.Enhanced overall model accuracy by 7% through integration of graphological features, increasing robustness and interpretability.Hosted on Streamlit and deployed on Hugging Face Spaces, making it publicly accessible.	
IntelliTube – AI-Powered YouTube Insight Engine	2025
<ul style="list-style-type: none">Developed an end-to-end YouTube video analysis platform supporting 100% local execution with no external APIs, enhancing data privacy and reducing latency by 70%.Engineered audio processing pipeline using Faster Whisper, achieving 95% transcription accuracy on diverse video inputs.Built a multilingual sentiment engine to scrape and analyze 100+ YouTube comments per video, translating non-English content and classifying sentiment into positive, neutral, and negative categories with 89 % accuracy.Implemented secure user authentication with encrypted login/signup workflows, enabling personalized access for up to 50 concurrent users.	

WORK EXPERIENCE

Technical Intern	6 Months
FortytwoLabs, Pune, India	
<ul style="list-style-type: none">Worked on a USB Flash Drive assembly with integrated user authentication and data encryption with cryptographic librariesManaged and maintained MongoDB database for storing user credentials, encryption keys and access logsUtilized Docker & virtual environments to manage software dependencies ensuring cross platform compatibility & version control	
Software Engineer	1 Year 1 Month
FortytwoLabs, Pune, India	
<ul style="list-style-type: none">Built and maintained 6+ production-ready C++ libraries with cross-platform support (Linux, Windows, macOS), achieving 100% build stability and reducing integration issues by 30%Implemented cryptographic features (e.g., policy signature modules), enhancing security and reducing processing time by 40%.Worked on 143 unit tests using Google Test (GTest) and JUnit, achieving 95% code coverage and reducing bugs by 50%.Used Postman and JMeter for API and performance testing, improving system performance by 25%.Documented 100+ error codes, improving client troubleshooting efficiency and decreasing support tickets by 40%.Collaborated with QA, DevOps, and Product teams, contributing to faster and more reliable software releases.	

CERTIFICATIONS

- [Complete Python from Beginner to Master – Udemy](#)
- [Intermediate Machine Learning - Kaggle](#)
- [Google Cloud Skills Boost Course on LLM, Vertex AI, Gemini & Principles of Google Cloud](#)

PUBLICATION

- [IOT Based Crowd Detection and Stampede Avoidance using Predictive Analysis - IEEE Xplore · Apr 4, 2023](#)

SKILLS

- Programming & Analytics:** Python | C++ | C | DSA
- Tools & Libraries:** NumPy | Pandas | Matplotlib | Seaborn | Scikit-Learn | Keras | Tensorflow | Pytorch | Streamlit | Gradio | OpenAI | Langchain | Postman | PySpark | Docker | Git | Gitlab | Kubernetes
- Database Management:** MongoDB | PostgreSQL | MySQL
- Operating Systems:** Ubuntu | Windows | Raspberry Pi OS | Debian | CentOS | MacOS
- Areas of Interest:** Machine Learning | Deep Learning | LLM | IOT
- Non-Technical Skills:** Leadership | Time-Management | Creativity | Teamwork | Critical Thinking

EXTRA CURRICULAR

- Student Volunteer at IGiftLife Social Service NGO
- Technical head at Vidyut Techfest
- Placement Coordinator, M.Tech AI Batch