

EDUCATION

Degree	Specialization	Institute	Year	Cgpa
B.Tech	AI & ML	Woxsen University	2023-Present	7.5
CBSE	Physics, Chemistry, & Mathematics	Meluha International School	2021-2023	69
SSC	-	Ravindra Bharathi School	2021	10

WORK EXPERIENCE

- **AIML Intern – Elevate Labs** May–Jun 2025
 - Built 4+ ML models for text classification; improved accuracy by 12%.
 - Achieved 89% F1-score through effective preprocessing and feature engineering.
 - Deployed real-time spam filter for 1,000+ messages/day; enhanced safety by 35%.
- **Student Exchange – UCSI University, Malaysia** Jan–Apr 2025
 - Completed Semester 4 AI & ML coursework in a global, cross-cultural setting.
 - Collaborated with four international students from diverse backgrounds on semester-long AI/ML group projects, delivering well-documented and fully functional code that adhered to specifications 100% of the time

PROJECTS

- Smart Waste AI Bin using Arduino Uno** Jul 2025
 - Engineered a smart bin using Arduino Uno, ultrasonic sensors, and servo motors, reducing manual sorting by 70%.
 - Programmed basic AI logic to classify waste into biodegradable and non-biodegradable types with 85% accuracy.
- Flight Tickets Booking Website** Jun 2025
 - Developed a responsive flight booking platform supporting real-time data handling for 100+ mock users.
 - Integrated authentication, live search, and booking modules using Firebase; achieved 90% task success in usability testing.
- Fire Detection using CCTV & Deep Learning** May 2025
 - Conducted a deep-dive study on CNN-based fire detection using CCTV data, with systems reporting up to 92% accuracy.
 - Compiled findings from 5 research papers and 3 open-source models into a comprehensive technical report.
- Sentiment Analysis using Machine Learning** Aug–Dec 2024
 - Created a sentiment analysis model for 10,000+ tweets, achieving 87% accuracy and 85% precision/recall.
 - Applied NLP techniques including TF-IDF, tokenization, and stop-word removal with Scikit-learn classifiers.
- Federated Learning for Early Disease Prediction** Jan–Mar 2025
 - Designed a privacy-preserving health diagnostic system using federated learning across 3 synthetic datasets.
 - Demonstrated 91% accuracy while adhering to HIPAA and GDPR privacy standards.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- **Leadership:** Served as Student Council Food & Hygiene Secretary (Grades 11–12); led 3 school-wide cleanliness campaigns.
- Represented school at CBSE Cluster Kho-Kho Tournaments, demonstrating teamwork and athletic discipline.
- Earned Orange Belt in Karate after progressing through 3 certified assessments; exemplified consistency and self-discipline.

TECHNICAL SKILLS

- **Languages:** Python, SQL, JavaScript, HTML, CSS
- **Tools & Platforms:** Jupiter Notebook, LaTeX, VS Code, Git, GitHub, Streamlit, Google Colab
- **ML/AI Libraries:** Scikit-learn, TensorFlow (Basics), Whisper STT, T5, GPT-J
- **Frameworks:** Bootstrap, REST APIs
- **Others:** Prompt Engineering
- **Soft Skills:** Teamwork, Communication, Leadership