

HAIYA SHAH

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Pre-Final Year CS Student specializing in AI

EDUCATION

Examination	University	Institute	Year	CPI/%
Graduation	MAHE Manipal	MIT Bengaluru	2021-Present	8.39
Higher Secondary	CBSE	Amaatra Academy	2021	95.6
Secondary	CBSE	Amaatra Academy	2019	94.3

EXPERIENCE

Indian Institute of Space Technology, Research Intern — Mentor: Dr. Rajesh Joseph Abraham Jan 2024
—Assisted in developing a project integrating Control Systems and AI.
—Contributed and Collaborated with team members to data analysis for research purposes.

Amazon Women Team - ML Intern, Amazon Aug 2023 - Dec 2023
—Developed a recommender system using ML techniques which improved user engagement by 10%.
—Conducted data visualization and performed model evaluation.

Generative AI Intern, Recotap ABM Jun 2023 - July 2023
—Created a CycleGAN model to automate resizing posters for B2B clients.
—Utilized deep learning techniques, including GANs, for image manipulation.

PROJECTS

Full Stack Project: AI Human Emotion Mimicker and Memory Reminder:
—Developed a full-stack AI human emotion mimicker and memory storage system and recommender system using
—React.js for the frontend, Node.js for the backend, and MongoDB for data storage.

Breast Cancer Cell Segmentation: Research project — Mentor: Dr. Rashmi R. —([GitHub](#))
—Generated a scalable tool for Manipal Hospitals using CNN and U-NET Deep Learning Architecture.
—Collaborated with medical professionals to ensure the tool's effectiveness.

Smart Parking System — ([GitHub](#))
—Built a system using OpenCV and Computer Vision algorithms to track car movements in a parking lot
—Optimized parking space utilization and reduced congestion using data analytics.

ACHIEVEMENTS

Research Papers Presented at International Conferences:
- Resource Allocation For Sustainable Development through Combinatorial Optimization (Conf. ICDMC'23)
- Knowledge Centric Semantically Driven Recipe Recommendation Framework (Conf. SoCPaR'23)
- Ontology Synthesis for Space Science as a Strategic Domain using Semantics Oriented AI (Conf. IBICA'23)

3rd Place - IIT Madras Presentation Competition — *Research:* Electronic Nose for Cancer Theragnosis
Leetcode Rating: 1513 Biweekly, 1464 Weekly, 200 problems—**HackerRank:** Python 5-star, Problem-Solving Cert.

Beta Open Source Contributor - GirlScript SoC—*Project:* Facial Expression Prediction, **Skills:** OpenCV
Debate Team Captain - MIT Bengaluru's Mimansa Club—*Tenure:* Jul 2022 - Present

SKILLS

Programming	Python, DSA in Java, DSA in C++, C, HTML, CSS, JavaScript
Development	MERN Stack, MySQL, Django, Bootstrap, jQuery, Spring Boot
Softskills	Communication skills, Listening skills, Problem-solving, Leadership — Acquired through leadership as the Debate Team Captain at Manipal.

KEY COURSES TAKEN

Data Structures, Algorithms, Web Development, MERN Stack, Machine Learning, Google Cloud, Github