Sarah Anjum

+91-7076448559 sarahanjum06@gmail.com https://www.linkedin.com/in/sarah-anjum-56a708269

https://github.com/sarahanjum12

Education

SRM Institute of Science and Technology Sept 2022- June 2026

Bachelor of Technology in Computer Science and Engineering *Chennai, Tamil Nadu*

Specialization in Artificial Intelligence and Machine Learning

- Secured 9.1/10.0 CGPA.
- Secured first position in semiconductors project.

G.D Goenka Public School Apr 2020- June 2022

Central Board of Secondary Education *Siliguri, West Bengal*

- Secured 90.4% in CBSE 12th Boards with stream Physics, Chemistry, Math with Computer Science.
- Secured first position in Youth Parliament.

S.T. James' High School, Apr 2008- March2020

Indian Certificate of Secondary Education *Binnaguri, West Bengal*

- Secured 93% in ICSE 10th examinations held by Council of Indian School Certificate of Examinations.
- Internal Assessment Grade-A.

Experience

Renault Nissan July 2024-ongoing

Software Engineer Intern *Chennai, India*

- Working on the automation and optimization of supply chain logistics by analysing important parameters and implementing advanced solutions to enhance operational efficiency, reduce costs, and streamline processes across various stages of the supply chain.
- Utilizing generative AI techniques to proactively detect and predict potential risks or failures, enabling early intervention and driving continuous improvement in operational stability and decision-making processes.

Next Tech Lab Sept 2023 – ongoing

McCarthy Member *Chennai, Tamil Nadu*

- Focused on solving complex problems by designing, implementing, and optimizing various algorithms on platforms like LeetCode and GeeksforGeeks, as well as handling data to streamline workflows and enhance model performance.
- Engaged in research and focused on enhancing vector retrieval techniques. Hands on experience in advanced RAG architectures, Lang Chains for chunking, embedding and query augmentation tasks for enhanced retrieval techniques.

Projects

Heart Disease Predictor | *Python, TensorFlow, Support Vector Classifier (SVC), HTML, CSS, Fast API, MongoDB.*

- Developed a web application for predicting heart disease risk, achieving 96% accuracy with a Support Vector Classifier (SVC) model, utilizing Fast API for API endpoints and MongoDB for storing user input and prediction results.
- Implemented confidence score calculations and designed an intuitive user interface using Python, scikit-learn, and Uvicorn for backend development environment.

Cyberbullying Detection System | *Python, Sentiment Analysis, HTML, CSS, JavaScript*

- Collaborated with a team on a Cyberbullying project as a backend service for the company's platform to detect and flag cyberbullying across various social media and chat-based forum platforms and also display the toxicity scores and provide real-time alerts for positive interaction.
- Managed user data and interaction logs using a relational database for efficient querying and reporting. Implemented sentiment analysis on audios and videos for timely intervention and real time monitoring to maintain a positive environment.

Code For Good Project| *JP Morgan Chase & Co.*

- Educational Management Website: Developed a dashboard for centralized educational data with tools for automating reports, tracking literacy, numeracy, and behaviour (FLN), and real time visualizations for personalized student interventions and proper workflow.
- Goat Mitra App: Developed a full-fledged app using Flutter and Machine Learning to manage goat health records, automate and generate AI-based health reports and disease predictions, and supported for buying and selling goats with a multilingual interface.

Certifications

HACKATHONS

- Smart India Hackathon 2023: Skin disease detection under Ministry of Aayush
- Dark Patterns Buster Hackathon 2023: Dark patterns detection under Department of Consumer Affairs

SDG-5 Conference

- Submitted and presented the abstract on The Role of AI in enhancing Employee Equality and Gender Justice in the IT industry.

BATTERY TESTER

- Contributed to a semiconductor project by designing and implementing a battery tester. This device ensures that batteries integrated into electronic devices meet the required standards for efficiency, safety, and performance.

Technical Skills

Languages: Java, C, C++, SpringBoot, Python, Mongo DB, MySQL, Node.js, Flask, Json, Html, Fast API.
Technologies: NumPy, Pandas, Scikit-learn, TensorFlow, Pytorch, Flask, Open-CV, LLMs, Generative AI.
Concepts: Compiler, Data Structures and Algorithms, Operating System, Artificial Intelligence, Machine Learning, Neural Networks, Deep Learning, API, Database Normalization.