

# Mohamed Sharafath

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Portfolio : [portfolioshara.vercel.app](https://portfolioshara.vercel.app) | LinkedIn : [mohamed-sharafath](#) | Github : [mohamedsharafath](#)

## Professional Summary

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Self-motivated Computer Science and Design undergraduate with strong skills in **Full-Stack Development**, **Backend Engineering**, and **Machine Learning**. Proficient in **React.js**, **Spring Boot**, and **FastAPI**, with hands-on experience building user-centric applications such as AI tutoring platforms and mental health systems. Follows **clean code practices** to develop scalable, maintainable solutions. Quick learner and effective communicator, eager to grow as a **Software Development Engineer (SDE)**.

## Education

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**Sri Krishna College of Engineering and Technology**, Coimbatore

Oct 2022 – Present

*Bachelor of Engineering (B.E.) in Computer Science and Design*

- **GPA:** 8.4 / 10

**S.V.N. Matriculation Higher Secondary School**, Erode

April 2021 – May 2022

*Higher Secondary (HSC)*

- **Cutoff:** 187 / 200

## Technical Skills

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<b>Languages:</b>	C++, Java, Python
<b>Web Tech:</b>	React, Spring Boot, FastAPI
<b>Databases:</b>	MySQL, MongoDB
<b>ML/AI:</b>	Foundational ML/DL, LangChain, Prompt Engineering
<b>Tools:</b>	Docker, Git, GitHub, Selenium

## Projects

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**My Tutor - Self Learning Assistant**

October 2024

- Designed and developed an innovative platform for **document upload**, **content extraction**, and **automated generation** of **summaries**, **flashcards**, and **quizzes** to enhance **individual learning**, **knowledge retention**, and **assessment**, achieving a 30% reduction in manual study preparation time.
- Technology Used: **React**, **FastApi**, **Mongo DB**

**Aurora Care – Mental Health Support Platform**

June 2024

- Created a comprehensive platform for **mental health detection**, and **self-care routine building**, integrating AI models for predicting **depression**, **anxiety**, and **suicidal thoughts** with an accuracy of up to **92%**, with a scalable backend API using **FastAPI** and **MongoDB** for real-time data processing and user activity tracking.
- Technology Used: **React**, **FastAPI**, **MongoDB**, **Python**, **NLP Models**.

**RAG News Companion – AI-powered News Query System**

March 2025

- Developed a news assistant application using **Retrieval-Augmented Generation (RAG)** where users can provide a **news article link** and ask questions about its content, enabling real-time AI-based summarization and answering.
- Technology Used: **Python**, **Streamlit**, **LangChain**, **LLMs**, **Web Scraping**.

## Certifications

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- Introduction to MongoDB, AI, and Vector Search - *Mongo DB* September 2024
- AWS Academy Graduate - AWS Academy Cloud Foundations - *AWS* May 2024
- Introduction to Cyber Security - *Cisco* March 2025