

SAI ROHIT SHAIK

Course : M.E., Computer Science, 2026
 Email : h20240158@hyderabad.bits-pilani.ac.in
 Mobile : 8121851795
 Social : [Linkedin](#)
 CGPA : 7.82

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
UG	CSE (AI AND MACHINE LEARNING)	Sharda School of Engineering and Technology	Sharda University	7.97 CGPA	2024
CLASS XII		Guru Junior College	Telangana Board of Intermediate Education (TSBIE)	906 MARKS	2019
CLASS X		Arya bhatta High School	Telangana Board of Secondary Education (SSC)	9.8 CGPA	2017
Subjects / Electives		Cloud Computing, Distributed Database Systems, Advanced Computer Architecture, Advanced Computer Networks, Advanced Data Structures and Algorithms, Network Security, Computer Networks, Advanced Operating Systems, Operating Systems			
Technical Proficiency		SQL, Python, Java, C++ Language, C++, C Programming			

INTERNSHIPS

Software Engineer Intern, Codinoverse	Feb 2024 - Mar 2024
<ul style="list-style-type: none"> Gained exposure to functional programming concepts and Scala syntax. Explored the basics of actor-based concurrency using Akka. Learned fundamentals of real-time data streaming with Apache Kafka. 	

PROJECTS

Air Traffic Control System - Operating Systems , C programming	May 2025 - May 2025
<ul style="list-style-type: none"> Simulated a multi-airport ATC in C with modular processes (controller, airports, planes) using System V message queues and POSIX threads for synchronized takeoff/landing. Modeled dynamic passenger weight via child processes and pipes, enabling realistic flight validation. Implemented load-based runway allocation with overflow backup and a cleanup module for graceful shutdown (mutex & queue teardown). 	
CampusBuddy – Cloud-Based Mentorship & Club Enrolment Chatbot - Cloud Computing	Feb 2025 - Mar 2025
<ul style="list-style-type: none"> Developed a multilingual, voice-enabled chatbot using Amazon Lex, deployed on React/S3 for front-end interactions. Orchestrated real-time workflows with AWS Lambda and DynamoDB for mentor matching, user profiling, club enrolment, and feedback. Secured role-based sessions via Amazon Cognito, Google OAuth, and JWT; enforced IAM policies and monitored with CloudWatch. 	
MTServer: C++ Multithreaded HTTP Web Server - Computer Networks & Operating Systems	Feb 2025 - Mar 2025
<ul style="list-style-type: none"> Built a high-performance HTTP server with POSIX sockets, spawning a thread per connection and using semaphores to track active clients. Parsed HTTP GET/POST requests, determined MIME types by file extension, and served static files via sendfile() for zero-copy transfers. Ensured reliability through perror/return-code error checks and signal-driven graceful shutdown logic. 	
Hand Gesture Recognition - Machine learning	May 2022 - Jun 2022
<ul style="list-style-type: none"> Developed a real-time hand gesture recognition system using Mediapipe. Trained on 10,000 samples to recognize 5 gestures with 92% accuracy. Enabled users to control a virtual environment through hand gestures. 	
House Price Prediction - Machine learning	Jan 2022 - Feb 2022
<ul style="list-style-type: none"> Built a house price prediction model using a dataset of 10,000 real estate listings. Achieved an MSE of 250,000 and R² score of 0.85 using Linear Regression and Random Forest. Performed data cleaning, encoding, and feature scaling for model training. 	

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY
Machine Learning A-Z™: Hands-On Python & R In Data Science	Udemy