

# ROHAN JOSHUA

CS Undergraduate at Shiv Nadar University Chennai | Aspiring AI and Machine Learning Engineer | IBM Maximo  
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## Summary

Software developer skilled in Python, Java, and SQL, currently learning IBM Maximo. I have experience in machine learning and backend development, working on projects like stock price prediction models and RFID-based attendance systems, applying data analysis, predictive modeling, and real-time processing. My background in copywriting, marketing, and client acquisition helps me approach problem-solving from both a technical and strategic perspective. I thrive in fast-paced, collaborative environments and constantly seek opportunities to build scalable, AI-driven solutions that create real impact.

## Education

Shiv Nadar University Chennai	
Bachelor of Technology, Computer Science with specialization in IoT	01/2022 - 12/2026
Padma Seshadri Bala Bhavan Siruseri	
General Studies	08/2012 - 04/2022

## Projects

Study Buddy App	Chennai, India 01/2024 - Present
An AI-powered learning companion that provides personalized study recommendations using machine learning. Built with Firebase for real-time data management, the app enables note-sharing, progress tracking, and goal setting. Future enhancements include gamification and improved AI-driven recommendations to boost student productivity.	
RFID Based Attendance Detection System	Chennai, India 11/2024 - 11/2024
As part of my IoT course at Shiv Nadar University Chennai, I developed an RFID-based Attendance Detection System that automates the process of tracking attendance in classrooms or events. The system uses RFID tags for student identification and RFID readers to log attendance in real time. It integrates with a backend database to store attendance records and generate reports. This project enhanced my skills in IoT technologies, RFID integration, database management, and real-time data processing	
Stock Price Prediction using ML	Chennai, India 02/2024 - 03/2024
As part of my academic course at Shiv Nadar University Chennai, I developed a Stock Price Prediction Model using Machine Learning, TensorFlow, and OpenCV. The model analyzes historical stock data and identifies patterns to predict future stock movements with an accuracy of up to 60-70%. By leveraging techniques such as time-series analysis, data preprocessing, and feature engineering, the model aims to provide insights into potential stock price trends, helping to forecast market behavior based on historical patterns and data trends.	

## Skills

Machine Learning • AI • Time-Series Forecasting • Deep Learning • LSTMs • Model Optimization
Backend Development • Firebase • Firestore • Authentication • Cloud Functions • REST APIs
Copywriting • Persuasive Writing • Digital Marketing • Client Outreach • Conversion Optimization • Lead Generation • Sales • Business Development • Cold Outreach • Social Media Marketing • Freelancing Strategies • Entrepreneurship • Building And Scaling A Service-Based Business
Python • Java • C • HTML • ReactJS

## Key Achievements

Founded Click and Convert Digital Agency	Self Balancing Bot
Created sales-focused ad copies and landing pages, leading to an average 25-30% increase in client conversion rates.	Built an ESP32-based self-balancing bot with MPU6050 sensor feedback and PID control, achieving real-time stability and precise motion control.
Scaled client outreach using strategic marketing, resulting in a 40% boost in lead generation and engagement.	