

SARA KHAN

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PROFESSIONAL SUMMARY

Dedicated Computer Science Engineer and aspiring professional Committed to continuous learning of emerging technologies and enhancing problem-solving capabilities. Seeking to collaborate in delivering efficient, scalable solutions to real-world challenges. M.Tech in Computer Science & Engineering with a strong academic record. Published researcher with expertise in Machine Learning, Artificial Intelligence, Data Science, and Computer Vision. Skilled in curriculum delivery, student mentoring, research, and project guidance, with additional experience in IT administration, cybersecurity, and software development.

EDUCATION

M.Tech, Computer Science & Engineering (2023–2025)

Muffakham Jah College of Engineering & Technology, Osmania University

CGPA/Percentage: 92.1%

B.Tech, Computer Science & Engineering (2019–2023)

Shadan Women's College of Engineering & Technology, JNTU Hyderabad

Percentage: 78.84%

TEACHING EXPERIENCE

Python Programmer, Programming for Problem Solving, Data Structures and Algorithms, Artificial Intelligence, and Machine Learning, - JPNH

TECHNICAL SKILLS

Programming: Python, Java, C, C++

Core Areas: Machine Learning, Artificial Intelligence, Data Structures & Algorithms

Web Technologies: HTML, CSS

Tools & Platforms: Microsoft Office Suite, Active Directory, VMware, Cisco, Palo Alto, Sophos

Operating Systems: Windows, UNIX Basics

RESEARCH PUBLICATIONS

Leveraging Machine Learning for Predictive Budgeting and Anomaly Detection in Personal Finance – SSRN
Ensemble-Based Machine Learning Approach for Detecting Online Payment Fraud Using Transactional Data – SSRN

Dynamic Drowsiguard Drive Alert System Using Machine Learning – JETIR

BOOK CHAPTER

Artificial Intelligence: A New Approach

Chapter: *Future of AI: Challenges and Opportunities*

PROJECTS

Automatic Self-Driving Car: A Sensor and Machine Learning-Based Approach for Autonomous Navigation

Message Encryption and Decryption using SHA Algorithm

Dynamic Drowsiguard Drive Alert System Using Machine Learning

Ensemble-Based Machine Learning Approach for Detecting Online Payment Fraud Using Transactional Data

Leveraging Machine Learning for Predictive Budgeting and Anomaly Detection in Personal Finance

CERTIFICATIONS

Machine Learning – Inmovidu Transformations, Bangalore

Data Science – Internshala

Machine Learning – BITS Pilani

Fundamentals of Python Certification

Advanced Data Science Certification

AWS Workshop

ACHIEVEMENTS

Consistently ranked among the Top Three students throughout academic career, Q2 performer.

Best Class Representative

Campus Ambassador, Team Lead, and Class Representative