Irfan Khan

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PROJECTS

AI Nose
(09/2024- Present)
The AI-Nose project is a machine learning-based system designed to identify and classify odors by mimicking the human sense of smell. It uses sensors to capture chemical signatures and algorithms to categorize these into distinct scent profiles.

Adaptive Traffic Optimization
(09/2024 - Present)
Developed an AI-driven system that manages real-time traffic data to dynamically adjust signals based on vehicle density, weather conditions, and accidents. Leveraged predictive analytics to forecast traffic patterns, improving urban mobility and reducing emissions.

Drone-based Emergency Kit Delivery System
(09/2024 - Present)
Developed a drone-based system to autonomously deliver medical supplies and resources to disaster-stricken or remote areas. Integrated real-time GPS tracking and AI-driven route optimization to ensure timely, accurate deliveries, enhancing emergency response times and reducing human risk

Student Performance Predictor and Tracker
(01/2023 - 12/2023)
Developed a Student Performance Predictor and Tracker system to forecast academic outcomes and monitor student progress. Integrated machine learning models and data analytics to predict performance based on attendance, grades, and study habits. The system enables real-time tracking, helping educators identify areas for improvement and providing actionable insights to boost academic success.

EDUCATIONAL BACKGROUND

Bachelor of Technology (B.Tech), Artificial Intelligence
T K R College of Engineering & Technology
11/2021 - 05/2025
CGPA-8.24

Intermediate Education
Narayana Junior College
04/2019 - 04/2021
Percentage- 94%

Higher Secondary
Brilliant Grammar High School
2009-2019
GPA- 9.8

LANGUAGE PROFICIENCIES

- **English**
  Full Professional Proficiency
- **Hindi**
  Full Professional Proficiency
- **Telugu**
  Full Professional Proficiency

PROFESSIONAL SUMMARY

I am a technology enthusiast with a strong foundation in data analysis and operational optimization, focused on advancing Artificial Intelligence, Machine Learning, and drone technology. I aim to pursue a Master's program to deepen my expertise and drive innovation in autonomous systems, with applications in logistics, agriculture, and defense industries. My goal is to contribute to the development of intelligent systems that enhance efficiency, safety, and future autonomous solutions.

SKILLS

Programming Languages
- Python, R, C#, C++, Java, Core Java, HTML, CSS

Data Science And Analytics
- Data Structures, NLP (Natural Language Processing)

Tools & Technologies for Development
- DBMS (Database Management Systems)

SOFT SKILLS

- Effective Communication
- Adaptability
- Decision-Making
- Strategic Thinking
- Time Management
- Problem-Solving

CERTIFICATES

Smart India Hackathon 2024 (09/2024)
Ministry of Education, Government of India

Cybersecurity Analyst Job Simulation
Walmart USA

Introduction to Programming Using Python
Infosys Springboard

Campus to Corporate Careers Program
TNS India Foundation

MEMBERSHIPS

CitizenCode– Member (09/2024 - Present)
An initiative by IITs connecting Tech Innovators & Pioneers.

Association for the Advancement of Artificial Intelligence (AAAI) (08/2024 - Present)
Premier society for advancing the scientific understanding of AI.