

# KARTHICK RAJA E

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## Professional Summary

Motivated Data Analytics & Machine Learning student with a strong foundation in Python, SQL, machine learning concepts, and data visualization. Passionate about leveraging data-driven insights to solve real-world problems and drive innovation.

## Skills

**Programming Languages:** Python, C, Java  
**Databases:** MySQL  
**Version Control:** Git, GitHub  
**Frameworks & Libraries:** Flask, Streamlit, Pandas, NumPy, Matplotlib, Postman  
**Tools & Platforms:** MS Excel, VS Code  
**Soft Skills:** Adaptability, Time Management, Team Collaboration

## Education

<b>SNS College of Technology</b>	<b>2022-2026</b>
Bachelor of Technology in Artificial Intelligence & Machine Learning	CGPA: <b>8.7</b> (4th semester)
<b>DSM Higher Secondary School</b>	<b>2019-2022</b>
Higher Secondary Education	Percentage: <b>89%</b>
SSLC (10th Grade)	Percentage: <b>89%</b>

## Work Experience

<b>Machine Learning Intern</b>	March 2024 - April 2024
Cognifyz Technology	
<ul style="list-style-type: none"><li>Assisted in building and optimizing machine learning models for real-world applications.</li><li>Preprocessed large datasets, enhancing data quality and feature selection.</li></ul>	

## Projects

<b>Data Visualization AI (Python, Generative AI, Streamlit)</b>	Nov 2024-Dec 2024
<ul style="list-style-type: none"><li>Developed an AI-powered tool for generating interactive and insightful data visualizations.</li><li>Integrated Pandas, Matplotlib, and Streamlit to enhance user experience and real-time analysis.</li></ul>	
<b>Virtual Mouse using Gestures (Python, OpenCV, Mediapipe)</b>	April 2024-May 2024
<ul style="list-style-type: none"><li>Designed a gesture-based virtual mouse using OpenCV.</li><li>Implemented hand-tracking algorithms to enable touch-free computer interaction.</li></ul>	
<b>Jarvis-Inspired Virtual Assistant (Python)</b>	February 2024
<ul style="list-style-type: none"><li>Created a desktop assistant for voice command-based automation and real-time information retrieval.</li><li>Integrated speech recognition and AI-based automation features.</li></ul>	

## Certifications

<b>DBMS Course</b> – Infosys Springboard	May 2024
<b>NPTEL Computer Vision Course</b> – NPTEL	July-October 2024
<b>Machine Learning Course</b> – Infosys Springboard	July 2024
<b>Generative AI Introduction</b> – Skillible	July-August 2024

## Achievement's

- Secured Department First in the 3rd semester of B.Tech.
- Ranked among the Top 5 in Higher Secondary Certificate (HSC) Examination at school.

## Area of Interest

- Artificial Intelligence & Machine Learning & Data Analytics