

# ATHUL V.S

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## PROFESSIONAL SUMMARY

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Master of Computer Applications candidate specializing in Backend Development, Machine-Learning and AI. Proficient in Python, Django, Flask, Scikit-learn, Sql and TensorFlow. Proven ability to develop innovative, real-world solutions by transforming complex data into actionable insights. Seeking a challenging role to apply expertise in Backend Development, Software Engineering or Data Science.

## TECHNICAL SKILLS

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**Languages and DataBases :** Python, C, C++, Js, Html, Css, MySql

**Frameworks :** Django, Flask, Bootstrap ,Tensorflow

**Other Skills :** Data Analysis, Building ML Models

## CERTIFICATIONS

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- **Python - Django (Infosys Springboard)**
- **Application Development with Python & Flask (Infosys Springboard)**
- **IBM Data Science Professional Certificate**
  - Python for Data Science, AI & Development
  - Data Analysis with Python
  - Data Visualization with Python
  - Machine Learning with Python
- **Presentation Skills Course Completion Certificate (Infosys Springboard)**

## PROJECTS

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### Smart-Blind\_Navigation\_Assistant

October 2025 – October 2025

- Help visually impaired people navigate safely indoors/outdoors using AI and voice.
- YOLOv8 for obstacle detection via camera. Classify obstacles (person, wall, door, chair, vehicle, etc.).
- Estimate distance using bounding box size. Generate voice alerts — e.g., “Object on left”, “Person ahead”
- Tech Stack: Python, OpenCV, YOLOv8, pyttsx3, Flask . AI Focus: Computer Vision + Audio feedback.

### Vaccasyvibe :-

February 2025 – April 2025

- A well developed site using python and machine learning for hosting vacation classes. Implemented a face recognition model for automated attendance, achieving 95% accuracy and saving 1-2 hours of manual work per class and submit report, how student/user behave in each class, to their parents. Backend has done with python with Django and frontend has done with javascript, Bootstrap and Ajax.

### Volt :-

October 2024 – November 2024

- Developed an ev charging slot booking site using php and javascript that enables user to book slot in ev stations, for charging vehicles.

## EDUCATION

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### Master of Computer Applications(MCA)

8.4 CGPA

July 2023 – June 2025

School of Technology and Applied Sciences, Kottayam

### BSC. Computer Applications (Tripple Main)

7.43 CGPA

July 2020 – May 2023

Kuriakose Elias College, Kottayam