# S NITHISH

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○ github.com/nithishsivakumar1551

## PROFILE

A passionate and motivated individual with a strong foundation in Artificial Intelligence and Data Science. Hands-on experience in Machine Learning, Computer Vision, Data Analysis, and full-stack development through academic projects and practical work. Contributed to impactful real-world solutions and authored a research paper accepted at an IEEE conference. Familiar with technologies like Edge Computing and Virtual Reality, and skilled in data visualization, critical thinking, and problem-solving. Eager to apply knowledge in challenging environments and continuously grow through innovation and learning.

## EDUCATION

**HSC - Higher Secondary Education,** *Lisieux Matriculation Higher Secondary School*          Coimbatore,, India
Grade: 84.6%

**SSLC - Secondary Education,** *Lisieux Matriculation Higher Secondary School*          Ooty, India
Grade: 89.6%

**B.Tech. Artificial Intelligence and Data Science,** *Coimbatore Institute of Technology*          Coimbatore,, India
CGPA: 8.08

## PROFESSIONAL EXPERIENCE

**Project Intern,** *Samsung Prism*          Coimbatore, India
*Led an project at Samsung RDII Bangalore, developing an AI/ML model for webpage article detection & Simplified view, achieving over 95% accuracy.*
 **Tech Stack:** Python, Scikit-learn / TensorFlow, BeautifulSoup / Selenium (for scraping), NLTK / SpaCy (for NLP), Pandas

**Machine Learning Intern,** *Profitstory.ai*          Coimbatore, India
•Developing an AI-powered sales forecasting system for e-commerce using algorithm, focusing on predictive analytics and machine learning.

**Research Intern – Smart Cities,** *Telkom University , Bandung, Indonesia*          Bandung, Indonesia
• Collaborated with faculty and research teams on projects related to smart city infrastructure, sustainability, and intelligent urban systems.
• Gained exposure to international research environments, interdisciplinary collaboration.
• Derived a research paper from the internship work, accepted for publication.

## POSITION OF RESPONSIBILITY

**Class Representative**
Acted as a bridge between faculty and students, managed class communications, and coordinated academic activities.

**Board Member**          08/2023 – 05/2024
Managing the Association Events of AI & DS

## SKILLS

**Programming Languages**
Python, C programming

**Web Development**
HTML, CSS, JavaScript, Python Flask

**DBMS**
MySQL

**Visualizations**
Microsoft Power BI, Tableau

**Managerial Skills**
Leadership , Team Work ,Decision-Making , Time Management

**Artificial Intelligence and Data Science**
Machine Learning, Deep Learning,
Data Structures and Algorithms
Prompt Engineering

## PROJECTS

**Third Eye(Pseudo Eye),** *Arduino project*
Designed a device for visually impaired users, achieving a 92% survival rate. • Utilized ultrasonic sensors for obstacle detection, reducing navigation errors by 85%. • Enhanced user safety and mobility through effective audio feedback

**Vehicle Speed and Traffic Analysis Using YOLO and Flask,** *Computer Vision project*
Developed a real-time vehicle detection and speed estimation system using YOLOv5 and Flask • Designed a two-line tracking system to calculate vehicle speed with 95% precision. • Built a Flask-based web interface for live traffic monitoring and analysis. •

**Webpage Article Detection and Simplified View Using AI/ML,** *Machine Learning*
Developing an AI/ML-based system to detect and extract articles from webpages. • Implementing Natural Language Processing (NLP) and computer vision techniques for content identification. • Creating a simplified, reader-friendly view to enhance content accessibility. • Leveraging machine learning models to improve article detection accuracy and readability.

## CERTIFICATES

**Machine Learning with Python**
IBM

**Augmented Reality (AR) and Virtual Reality (VR) Applications**

- Explored use cases in gaming, simulation, education, and immersive user experiences.
- Gained exposure to tools and platforms like Unity and 3D modeling.

**Edge Computing Fundamentals**

- Gained foundational knowledge and practical understanding of Edge Computing concepts,Explored use cases in AI

**District level competition**
Achieved first position in District level chess competition • 4 times divisional player in chess • District level winners in volleyball held at Coonoor

**SQL and Relational Databases**
Cognitive Class

## Publications

**Vehicle Speed and Traffic Analysis Using YOLO and Flask,** *IEEE*

## Interests

- Playing chess | Vibe coding