

Aswath K S

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Professional Summary

Aspiring Data Scientist and Business Analyst with a strong foundation in Python, Machine Learning, and Data Analytics. Experienced in developing AI-driven solutions for face detection and sentiment analysis. Adept at data preprocessing, visualization, and database management. Passionate about leveraging analytical skills to drive business insights and enhance decision-making.

Education

St. Joseph's College of Engineering

Nov 2022 – Till

BE in Computer Science

- Cumulative GPA: 8.25/10

Technical Skills

Programming Languages: Python, Java


Machine Learning: CNN, NLP, OpenCV, NLTK, TensorFlow

Frameworks and Tools: KNIME, RapidMiner, Git, MongoDB, VS Code

Data Science and Analytics: Data Preprocessing, Linear Algebra, Data Visualization

Projects

Face Detection System

[github repo](#) 

- **Objective:** Develop an AI-powered system to identify and count human faces in images.
- **Impact:** Increased detection accuracy and automation efficiency by 25-30
- **Technologies Used:** Pillow, OpenCV,

Face Sentiment Analysis

[github repo](#) 

- **Objective:** Design a model to analyze emotional tones using facial expressions and NLP.
- **Impact:** Improved sentiment-driven feedback mechanisms by 30-40
- **Technologies Used:** OpenCV, CNN, NLP, TensorFlow Keras, DeepFace

Internship and Experience

Intern — Internshala

Aug 2024 - Sep 2024

Key Responsibilities:

- Developed machine learning models for data analytics, improving data processing speed by 15
- Gained hands-on experience in business intelligence and data preprocessing, optimizing workflows by 20

Intern — Supraja Technologies

Jan 2025 - Mar 2025

Internship Source: Secured through a cybersecurity hackathon conducted at St. Joseph's College of Engineering.

Key Responsibilities:

- Assisted in developing security solutions using machine learning techniques, reducing vulnerabilities by 30
- Implemented data encryption strategies and cybersecurity threat analysis, enhancing data protection.
- Collaborated with a team to improve security frameworks, leading to a 25

Certifications

- Database Management System - NPTEL(ELITE) , Jul-Sep 2024
- Machine Learning Professional Certificate - RapidMiner , Sep 2024
- Data Science with KNIME Software - KNIME , Sep 2024
- MongoDB for Students - MongoDB , July 2024
- Introduction to Data Science in Python - Coursera , Oct 2023
- Linear Algebra for Data Science and ML - Coursera , Oct 2023

Competitions and Achievements

- Winner: Hackathon on Cybersecurity – Supraja Technologies, 2024
- Runner-Up: IDEAQUEST'24 – IEEE, SJCE, 2024
- Particated: CODE CASCADE – Microsoft, SJCE, 2024
- Runner-Up: Velammal Presentation Competition, 2023

Additional Activities

- **Placement Empowerment Program (PEP):** Data Science and Analytics,SJCE, 2023 - till
- Successfully collaborated on projects, improving completion speed by 20