

Sai Kumar S

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PROFILE SUMMARY

Targeting **internship** roles with a reputable organization to enhance my knowledge and support my career growth in **AI and Data Science**.

- Proficient in **Python, Java, SQL** with a strong focus on **machine learning, data science, and deep learning**.
- Proven track record in **efficiently** managing and delivering projects, from planning and design to deployment and scaling of models.
- I am Dedicated to **staying updated** with **industry trends and technologies**, consistently enhancing skills to deliver innovative solutions.

SKILLS

Programming: Python | Java | SQL | C | C++ | HTML/CSS | JavaScript | Node.js | React.js.

Tools: Git | Visual Studio Code | IntelliJ | PyCharm | Eclipse | AWS | Notebook (Jupyter, Colab).

Soft skills: interpersonal skills | teamwork | project management | planning skills.

PUBLICATION

[Android Malware Detection](#)

Publisher: Institute of Electrical and Electronics Engineers (IEEE)

Published a study on Android malware detection, showcasing advanced methods and **machine learning techniques** to enhance user privacy and security.

PROJECTS

BIRD SPECIES CLASSIFICATION

June 2024 - August 2024

Tools: Python, PyTorch, OpenCV

A comprehensive machine learning model designed to accurately classify various bird species based on image data.

Responsibilities:

- Preprocessed and augmented image datasets using **OpenCV** to enhance model training and accuracy.
- Designed and trained a **convolutional neural network (CNN)** using PyTorch, achieving high classification accuracy.
- Integrated **data visualization(Matplotlib)** techniques to evaluate model performance and interpret results.
- Collaborated in hyperparameter tuning and model optimization, achieving **90% accuracy**.

Email Spam Detection

May 2024 – June 2023

Tools: Scikit-learn, Pandas, Matplotlib/Seaborn

Performed **EDA** and built a spam detection system using Multinomial Naive Bayes for **classification** and **prediction**.

Responsibilities:

- Implemented Enhanced data preprocessing and feature extraction techniques to improve classification accuracy.
- Visualized key evaluation metrics, such as ROC-AUC curves and confusion matrices, to assess and optimize model performance to obtain an **accuracy of 98.49%**.

CERTIFICATIONS

Earned certifications in Automation Pro I from Workato | Data Science 101 from IBM | Machine Learning with Python from IBM | Software Engineering Virtual Experience from JPMorgan Chase & Co.

EDUCATION

East Point College of Engineering and Technology

B.E. in Artificial Intelligence and Data Science | CGPA: 8.47

Narayana PU College | **12th** Percentage: 89.90%

New Baldwin International School | **10th** Percentage : 91.10%

Bangalore, Karnataka

Expected Graduation, May 2025

2019-2021

2015-2019