MAHIMA M

Mysore, Karnataka
+91-8746937048 mahimaaamurali@gmail.com Mahima-M mahima-m19 Portfolio

Summary

Motivated Bachelor of Computer Applications student with strong skills in Python, web development, and machine learning. Experienced in Web and ML-based web projects with hands-on exposure to Flask, HTML, CSS, and data visualization tools. Quick learner with excellent problem-solving and communication abilities, eager to contribute to innovative software projects.

Work Experience

Intern at Ideonix Solutions - On-Site **01/12/2024 – 31/01/2025**

- Completed a 3 months Internship at Ideonix Solutions, where I developed intelligent web applications by seamlessly integrating machine learning models with dynamic front-end interfaces using ReactJs. Gained hands-on experience in Python, Flask, and ML libraries such as scikit-learn, NumPy, Matplotlib, and Seaborn .

Education

MMK & SDM Mahila Maha Vidyalaya (University of Mysore) **2022 – 202**
Bachelor of Engineering in Electronics and Communication Engineering (CGPA: 9.4/10) *Karnataka, India*

Gopalaswamy PU College **2022**
Pre-University (Percentage: 83.83%) *Karnataka, India*

St. Mary's English High School **2020**
SSLC / X (Percentage: 90.84%) *Karnataka, India*

Technical Skills

Programming Languages: Python, C, C++, SQL, HTML, Tailwind CSS

Frameworks & Technologies: Django, Flask, React.js, Git, GitHub, AWS, MongoDB

Data & Analytics Tools: Power BI, Tableau, Google Analytics, Excel, Data Visualization

Software Tools: VS Code, Jupyter Notebook, MS Office

Projects

Breast-Cancer-Detection **Machine Learning, Python**

- Developed a breast cancer classification model using machine learning algorithms to distinguish between malignant and benign tumors with high accuracy and evaluated multiple models using metrics such as accuracy, precision.
- Performed extensive Exploratory Data Analysis (EDA) and feature engineering to identify key diagnostic indicators and improve model performance.

Real-Time-Parking-Space-Recognition-with-MLOps-Integration **Python, TensorFlow, OpenCV**

- Built a real-time parking space recognition system using YOLO-based deep learning models and IoT camera feeds, enabling accurate detection of occupied and vacant parking spots.
- Integrated the solution into a complete MLOps pipeline using MLflow, Docker, and AWS to automate model training, deployment, versioning, and utilized TensorFlow and OpenCV for model optimization and video stream processing.

Leadership & Activities

- Actively **organized and led multiple college and inter-college literary events**, including debates, speeches, and quizzes, fostering a culture of communication and collaboration.
- Served as a **Literary Committee Member and Master of Ceremonies (MC)** for various academic and cultural programs, demonstrating strong leadership, public speaking, and event management skills.

Achievements

- Secured **1st place** in multiple competitions including **two inter-college debates**, **two speeches (college and inter-college), and college-level CS and general quizzes**, showcasing excellence in critical thinking and articulation.
- Achieved **top honors in writing (2nd place) and two inter-college quizzes (2nd place)**, reflecting consistent academic and extracurricular performance across diverse fields.

Certifications

- **Introduction to Data Science** – Acquired practical knowledge of data analytics, visualization, and introductory machine learning concepts.
- **Computer Vision 101** – Learned techniques in image processing, feature extraction, and neural network applications for visual recognition.
- **Introduction to Robotic Process Automation (RPA)** – Developed understanding of automation workflows, RPA frameworks, and intelligent task automation.
- **Artificial Intelligence Foundation Certification** – Built a strong foundation in AI principles, covering machine learning, reasoning, and intelligent systems.
- **Introduction to Natural Language Processing** – Explored text preprocessing, sentiment analysis, and language model fundamentals for language understanding.