ABHIRAM KOTHWAL

+91 9353407724 | abhiramkothwal01@gmail.com | Kundapura Udupi | linkedin.com | github

PROFILE SUMMARY

Passionate and skilled final-year engineering student at Malnad College of Engineering, Hassan, currently working on a Machine Learning project. Experienced in Object Detection using Python and Web Development. Proficient in Python, SQL, and Power BI, with a strong interest in DevOps, Machine Learning, and Cloud technologies. Adept at building automation solutions and leveraging AI for real-world applications.

SKILLS

Languages: Python, SQL, JavaScript(basics), HTML/CSS, React JS, Node JS(basics)
Developer Tools: Git, Docker, VS code, PyCharm
Cloud: Azure(VMs, Azure app Service, Blob Storage, Azure Load Balancer, Functions)
         AWS(EC2, S3, EBS, VPC, Lambda)
DevOps: GitHub, CI/CD Pipelines(basics)
Others: Power BI, Machine Learning, Computer Networks, AI & Prompt
Soft Skills: Presentation, Adaptability, Project Management, Agile Sprint Planning and Execution

PROJECTS

An AI object detection | OpenCV-Python, PyCharm   June 2024 – August 2024

- Implemented real-time person detection using OpenCV-Python, enhancing classroom monitoring systems to track attendance and presence during lectures.
- Developed a robust AI model to detect and track individuals during class hours, ensuring accuracy and reducing manual attendance recording.
- Optimized object detection algorithms for efficient, low-latency performance, suitable for deployment in educational environments with minimal hardware requirements

Blood Bank Management system | HTML/CSS, JavaScript, SQL   January 2024 – March 2024

This was Pre final year (**Mini project**)

- Developed a Blood Bank Management System to streamline the process of blood donation, storage, and distribution, enhancing efficiency and reliability in managing blood inventories.
- Integrated a user-friendly interface and backend database for secure data management and effective communication between donors, recipients, and blood bank administrators

College Canteen Management System | HTML/CSS, JavaScript, SQL   May 2024 – July 2024

This was Pre final year (**Mini project**)

- Contributed to the development of a college canteen management system, focusing on front-end development using HTML, CSS, and JavaScript to create an intuitive and user-friendly interface.
- Designed and implemented the student and staff login pages, menu display, and interactive elements to enhance user experience.

Azure-AZ900 Project   November 2024

- **Deployed a Static Website on Azure** Storage – Deployed and configured a static website using Azure Storage, achieving 99.9% uptime and reducing hosting costs by 30%. Implemented HTTPS and custom domain mapping, enhancing security and user accessibility.
- **Azure Logic App for Automation** – Built and deployed an Azure Logic App, automating 5+ workflows and reducing manual tasks by 40%. Integrated with 3 cloud services to streamline data processing and enable real-time trigger-based operations.

EXPERIENCE

SDE Intern   October 2023 - December 2023

Prakhyath Machines and Machine Tools Pvt Ltd   Bangalore India

- Prakhyath Machines & Machine Tools Pvt. Ltd, established in 1996
- Developed an object detection system using **OpenCV** and **Raspberry Pi** to detect defects in minute and second hands during the manufacturing process
- Improved quality control efficiency by automating the detection of defects in small components using **Python-based algorithms**
- Optimized image processing algorithms, improving detection accuracy by 20% and reducing false positives

Student Intern   October 2022 – November 2022

JV Global Services Pvt Ltd   Hassan India

- Trained in object-oriented programming with Python, focusing on application development. Gained hands on experience in applying OOP principles to create scalable and efficient software solutions
- Strengthened Python skills through practical projects and real-world problem-solving

EDUCATION

Malnad College of Engineering Hassan   December 2021 – June 2025

Bachelors of Engineering in Information Science

CERTIFICATION

- Microsoft certified – Azure AZ900 Fundamental
- Object Oriented Application Development Certificate from JV Globel Service Pvt Ltd
- Great Learning Academy - HTML/CSS
- Udemy Certified AI and Prompt
- NPTEL Certified soft skill Development

HOBBIES AND INTERESTS

- Playing Chess
- Reading Books
- Swimming