TILAK MATAGUNDE

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 LinkdeIn | GitHub

PROFILE

Machine Learning and Software Development professional with expertise in web development, data science, and analysis. Skilled in leveraging cutting-edge technologies for project success and innovation. Proven leader in delivering high-quality solutions. Ready to contribute to a forward-thinking organization.

EDUCATION

- **PES University**   *Dec 2021 - May 2025*
  Computer Science : GPA: 8.36   Bengaluru, India

- **SCRPSC**   *July 2021*
  Karnataka State Board: Grade: 96.83%   Bhalki, India

- **SBHS**   *April 2019*
  Karnataka State Board: Grade : 96.96%   Basavakalyan, India

WORK AND EXPERIENCE

- **Revolutionizing crop management with Automated assessment and grading :**   *Guide: Revati G P*
  Tools: [YOLO,Opencv,Canny edge operators etc]
  ◦ We carried out plant monitoring activities to evaluate the readiness of produce for harvest, utilizing advanced identification and detection protocols to identify spoilage and assess the quality of the crops. Under the guidance of Revati G. P., our team successfully implemented capsicum detection and grading, achieving an accuracy rate of 93%.

- The model is deployed at Capsicum Detection And Grading

PROJECTS

- **State Wise Indian Info System :**
  Tools: [MySQL ,Flask]   []
  ◦ implemented the "State Wise Indian Info System" using MySQL for database management, MySQL Connector for database connectivity, and Flask for the web application framework. This system allows users to view and compare statistics across Indian states, providing an interactive and informative experience.

- **microservices-using-docker-and-RabbitMQ :**
  Tools: [Docker,Micro-Services,Pika,PostMan]   []
  ◦ Developed a microservices architecture using Docker and RabbitMQ to enhance scalability and communication between services. This project demonstrates the integration of containerization with message queuing for efficient and reliable service orchestration

SKILLS

- **Programming Languages:** Python, C, C++, SQL
- **Technologies and Frameworks:** HTML, CSS , Flask,Numpy, Pandas, Beautiful Soup, Power BI,MS Excel,Flutter,Blockchain,Cyber Security
- **DevOps & Version Control:** Docker, Git ,Micro-Services,Kubernetes,Jenkins
- **AWS Services:** S3, Lambda, DynamoDB
- **Soft Skills:** Problem-solving, Leadership, Decision-making,Digital Marketing

ACHIEVEMENTS AND AWARDS

◦ Cleared National Defence Academy Exam, demonstrating exceptional analytical and problem-solving skills.
◦ Active participant in Inter Department Sports, contributing to the success of the CSE Department Team.
◦ Achieved top 20 position in State Level Hackathon Silicon Rush 2.0, showcasing innovative thinking and technical expertise.
◦ Led the State Level Badminton team (U14) as Captain, exemplifying leadership and teamwork.
◦ Engaged in business case studies, politics, and sports, reflecting a well-rounded personality and diverse interests.

CLUBS

KannadaKoota: :   was a part of Event Managment Club

CERTIFICATIONS

◦ 'Problem Solving Intermediate Certificate' from Hackerrank
◦ jira Work Management Fundamentals badge
◦ A Beginner's Guide to Linux Kernel Development