TILAK MATAGUNDE

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LinkdeIn | GitHub

PROFILE

I am an enthusiast in Machine Learning, software development, web development and design, and data science and analysis. I am always passionate about learning new concepts and technologies for the projects I work on. Currently, I am engaged in various projects in Android development, information security, and machine learning.

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

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

- **Revolutionizing crop management with Automated assessment and grading :**
  Tools: [YOLO,Opencv,Canny edge operators etc] [ ]
  ○ Conducting plant monitoring activities to assess the readiness for harvest of produce,Employing identification, and detection protocols to ascertain the presence of spoilage in the produce and then grading the quality of the produce

- **Text-Style-Transfer :**
  Tools: [T5 ,NLTK , Deap Dataset,TensorFlow] [ ]
  ○ Developed a "Text Style Transfer" project that leverages advanced techniques to transform the style of text while preserving its original content. This project explores the application of neural networks for text style manipulation.

SKILLS

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

ACHIEVEMENTS AND AWARDS

○ Cleared National Defence Academy Exam
○ Participated in Inter Department Sports, member of CSE Department Team.
○ Participated in State Level Hackathon Silicon Rush 2.0 (top 20)
○ Played State Level Badminton (U14) (Captain)
○ My hobbies are business case studies, politics, and sports

CERTIFICATIONS

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