VENKATA SAI VIVEK TRIPURARI

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EDUCATION

Bangalore   **PES UNIVERSITY**   **2021 | 2025**
- B-TECH in Computer Science. CGPA: 8.05/10. Coursework: Data structures & Algorithms, NLP, Machine Learning, On-Device Machine Learning, IoT, Data Analysis, Robotics, CIE-Level 1 &2.

EXPERIENCE

Summer Intern   **EverestIMS Technologies**   **Jun 2024- Jul 2024**
- Developed a robust system for real-time monitoring of 50+ servers, using Kafka for 99% accurate message transmission, secure SSH, and dynamic port validation with visualization of connections.

C Developer- Intern   **BharatTech**   **Nov 2023 - Nov2023**
- Worked on real world tasks and scenarios with the required time complexity optimizations with a 22% performance improvement

Marketing Research Intern   **MyCaptain**   **Mar 2023 – Apr 2023**
- Evaluated 15+ marketing strategies, pinpointing key areas for improvement; implemented data-driven optimizations that led to a 10% increase in sales.

SKILLS

- Programming Languages: Python (proficient), C/C++ (intermediate), Tableau (moderate)
- Core: Data structures in C++, Operating Systems, DevOps, IoT
- Machine learning: NLP, LLM's ,TensorFlow, Generative AI, Deep Learning, Predictive Modelling
- Web-scraping and automation: Selenium, BS4, Scrapy
- Web Development: HTML, CSS, JavaScript , Nodejs, React, Flask, Fast API
- Big Data & Databases: SQL, HDFS, Hive, Hadoop, Cassandra, MongoDB, Kafka
- Networking, TCP/IP, UDP, Firewall, Unix.
- Soft Skills: Communication, Team Work, Leadership

PROJECTS

- **Ecommerce-Bookstore-Java** Developed an advanced E-commerce Bookstore using Java, HTML, integrating robust functionalities for online shopping and inventory management. Link
- **Image Classifier for Animal Species Identification using (CNN):** developed Image Classifier using CNN with TensorFlow and OpenCV, achieving 85% validation accuracy for cat vs. dog classification. Link
- **Microservices-RabbitMQ** Created a microservices architecture with RabbitMQ, handling 1000+ messages daily (10% efficiency boost) in microservices-rabbitmq. Link
- **EMOTION-BASED-MOVIE-RECOMMENDER** Utilized machine learning to deliver personalized movie recommendations based on emotional analysis. Link

ACHIEVEMENTS

- Distinction Award (PES UNIVERSITY- semesters- 1,2, 4, 5, 6)

CERTIFICATIONS

- **Competitive Programming Essentials, Master Algorithms 2023**
- **IBM Data Science Professional Certificate- (Undertaking as of now)**
- **The Ultimate Tkinter Course: GUI for Python projects**