

KEERTHI KAPPERA

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PROFESSIONAL SUMMARY

Engineer with 2 years of experience in manufacturing and engineering. Proficient in Python, SQL, and AWS, focused on leveraging data-driven insights to enhance operational efficiency and address complex challenges.

EDUCATION

Tagliatela College of Engineering, University of New Haven, West Haven, Connecticut May 2025(Expected)
Masters of Science in Data Science CGPA: 3.47/4

Course Work: Machine Learning, Deep Learning, Data Visualization, Artificial Intelligence, Natural Language Processing, Data Engineering

DVR & Dr.Hs MIC College of Technology

June 2021

Bachelors of Technology in Electronics and Communication Engineering

CGPA: 3.40/4

SKILLS

- **Programming:** Python, PLSQL, Java, SQL
- **Python Packages:** Pandas, NumPy, matplotlib, sklearn, pytorch
- **Tools and Technologies:** Jupyter, PyCharm, Visual Studio Code, Flask, AWS, Machine Learning, Deep Learning, Power BI

EXPERIENCE & ACADEMIC PROJECTS

INTERNSHIP

Manufacturing Engineering Intern

Rising Stars Mobile India Pvt Ltd (RSMIPL) | Sricity, Chennai

Feb 2021 – Mar 2021

- Collaborated on mobile device assembly, gaining insight into the complete production workflow.
- Assisted with import, inspection, and assembly of components to enhance production efficiency.
- Gained expertise in manufacturing protocols, quality control standards, and assembly techniques.

Assistant System Engineer

Tata Consultancy Services Pvt, Ltd | Client: PepsiCo

Oct 2021 – July 2023

- Developed and maintained inventory solutions using PL/SQL, enhancing data management and accuracy.
- Worked with cross-functional teams to improve inventory tracking and reporting.
- Facilitated project planning and established project criteria to meet client requirements, ensuring proper implementation and adherence to engineering standards throughout the project lifecycle.

Automatic COVID – 19 Face mask and Temperature Detection System with DL

Jan 2021 – May 2021

- Leveraged TensorFlow and OpenCV for real-time mask detection; achieved 95% accuracy.
- Integrated non-contact temperature measurement for enhanced usability.

Optimizing Tweet Sentiment Analysis with EC2 and Airflow

Jan 2024 – May 2024

- Developed a distributed sentiment analysis system for 52,000+ tweets using AWS EC2 and Apache Airflow, including data preprocessing and exploratory data analysis.
- Trained and evaluated multiple machine learning models for sentiment classification, delivering scalable solutions for real-time brand monitoring.

CERTIFICATIONS

- Entrepreneurship Development from International Institute(i2E) conducted by APSSDC.
- Machine Learning with Scikit-Learn.
- Data Cleaning and Ingestion in Python.
- DevOps for Data Scientists.
- Python for Data Visualization.

EXTRA-CURRICULAR/ VOLUNTEER ACTIVITIES

- Received the '**Active Team Player**' award from client PepsiCo at Tata Consultancy Services Pvt. Ltd., recognized for enhancing team synergy and consistently supporting team objectives.
- Awarded a prize in the **Project Presentation** event for developing a **Women's Security Systems**.
- Served as a National Service Scheme (NSS) Volunteer and as Mistress of Ceremonies at MIC Fest 2019.
- Engaged in peer review and knowledge sharing through paper presentations & group discussions.