



## Sujith Kumar Thangella

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### ABOUT MYSELF

A passionate and results-driven professional with a strong foundation in Data Analytics and Machine Learning, holding a Bachelor's degree in Electronics and Communication Engineering. Gained practical experience through multiple internships, including two short-term roles and a 3-month internship at Pinaca Technologies, where I contributed to real-world ML projects. Transitioned to a full-time Junior Machine Learning Engineer role at Pinaca Technologies in August 2024, following the internship that began in January 2023. Proficient in statistical analysis, data visualization, predictive modeling, and machine learning techniques. Currently seeking to pursue advanced studies in Data Science to further deepen expertise and contribute to innovative, data-driven solutions.

### EDUCATION AND TRAINING

#### Secondary Education (10th Grade)

**Bhashyam High School** [ 2015 – 2016 ]

City: Hyderabad | Country: India

#### Intermediate (12th Grade)

**Narayana Junior College** [ 2016 – 2018 ]

City: Vijayawada | Country: India

#### Bachelor of Technology in Electronics & Communication Engineering

**University College of Engineering Narasaraopet, JNTUK** [ 2018 – 2022 ]

City: Narasaraopet | Country: India

#### Data Analytics and Machine Learning

**Imarticus Learning** [ Nov 2022 – Aug 2023 ]

City: Hyderabad | Country: India

### WORK EXPERIENCE

#### **Pinaca Technologies** – Vijayawada, India

City: Vijayawada | Country: India

#### **Jr. Machine Learning Engineer**

[ Jan 2024 – Current ]

Contributed to the development of **VIGOR** (Voice Identification Generalised Objective Recognition), a cutting-edge speech processing application. Specialized in:

- **Speaker Diarization:** Led efforts in identifying "who spoke when" by segmenting and labeling speakers in audio recordings.

- **Noise Reduction:** Implemented advanced techniques (e.g., HiFi-GAN, DTLN) to enhance audio clarity by eliminating background noise.
- **Speaker Detection:** Developed robust algorithms for accurately identifying and tracking specific speakers in dynamic audio streams.

Played a key role in fine-tuning GAN models for optimal performance, significantly improving audio quality and system accuracy.

## **Unified Mentor – India**

Country: India

### **Data Science Intern**

[ Sep 2023 – Dec 2023 ]

- Assisted in cleaning, preprocessing, and analyzing large datasets to uncover actionable insights using Python and Pandas.
- Developed and evaluated machine learning models for classification and regression tasks, improving prediction accuracy.
- Created interactive dashboards and visualizations using tools like Matplotlib, Seaborn, or Power BI to support data-driven decision-making.
- Documented workflows and presented findings to stakeholders, showcasing the impact of data-driven approaches.

## **MedTourEasy – India**

Country: India

### **Data Analytics Trainee**

[ 1 Aug 2023 – 31 Aug 2023 ]

- Worked on data-driven decision-making strategies
- Conducted exploratory data analysis and visualization

## **ExpertsHub – Bangalore, India**

City: Bangalore | Country: India

### **Machine Learning & Artificial Intelligence Intern**

[ Jan 2021 – Jan 2021 ]

- Designed and trained Multi-Layer Perceptron (MLP) models for image compression and decompression of handwritten digit images.
- Achieved significant size reduction of images while preserving visual clarity, optimizing storage without compromising image quality.

## **PROJECTS**

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### **Flu Shot Learning: Predict H1N1 (Imbalanced) Vaccines**

- Studied the impact of class imbalance on model performance.
- Implemented balancing techniques (SMOTE) & evaluated key metrics (Precision, Recall, F1 Score)

### **Flu Shot Learning: Predict Seasonal (Balanced) Vaccines**

- Comparative study of classification models
- Assessed the impact of categorical independent variables on classification models

### **Medicare Data Analysis with NLP**

- Performed data cleaning, correlation analysis, and inferential statistics
- Built machine learning models with text mining using NLP (NLTK, Word Cloud, Vectorization)

SKILLS

Data Science & Machine Learning / Deep Learning & NLP / Python / SQL / Power BI, Tableau, Matplotlib, Seaborn / Excel, PowerPoint, Word / Linux

CERTIFICATIONS

- Python Core (Sololearn)
- Machine Learning using Python
- Robotics & Embedded Systems Workshop (IIT Hyderabad)
- PG Certification in Data Analytics & Machine Learning (Imarticus Learning)

HONOURS AND AWARDS

Secured Top 10 position in Hackathon organized by Imarticus Learning (2023)  
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- Organized Technical Fest in B.Tech
- IEEE Member & NSS Volunteer

LANGUAGE SKILLS

Mother tongue(s): Telugu

Other language(s):

Hindi

LISTENING C1 READING C1 WRITING C1  
SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

English

LISTENING C1 READING C1 WRITING B2  
SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2