



## Contact

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### Personal Site

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### LinkedIn

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## Education

2014 - 2018

### Bachelor of Technology

Mallareddy College of Engineering  
JNTUH

## Expertise

### Data Science expertise:

- ML, Computer Vision, NLP
- Deep Learning (pytorch, keras)

### Rest API & Frameworks:

- Django, FastAPI, Flask, Streamlit, Gradio

### Python Library expertise:

- Numpy, Matplotlib, Scipy, Pandas, sk-learn, NLTK, plotly, Dask, Seaborn, BeautifulSoup

### Fullstack expertise:

- HTML, CSS, BS, JavaScript, jQuery

## Certifications

- [Microsoft Certified: Azure Data Scientist Associate](#)
- [Microsoft Certified: Azure AI Fundamentals](#)

# Venu Kumar J

## Data Scientist | Pythoneer

I am an accomplished professional with expertise in computer vision, deep learning, and machine learning. I have a strong passion and a proven track record of success in building data science projects. My diverse background includes data science domain, and collaborating with renowned academic institutions such as IITH, IISc to develop cutting-edge machine learning projects using Python for executive programmes. I'm dedicated to mentoring aspiring professionals in the field of Data Science. With solid skills in full-stack development using Django and Spring Framework, Streamlit, Gradio I craft robust web solutions for exceptional user experiences. Additionally, I drive innovation through OpenAI ChatGPT, creating dynamic and engaging conversational systems.

## Vision

As a data scientist, I aim to elevate Generative AI models to redefine content creation - enabling seamless, personalized text generation and revolutionizing collaboration with an intelligent and adaptive recommendation system.

## Experience

### [Tata Consultancy Services Limited](#)

#### Systems Engineer 2022 Feb - Present

##### Summary:

With strong background in NLP, I delved deep in creating ontologies and graph networks for search engines and ranking systems, text classification, sentiment analysis and text generation. With deep knowledge and hands-on experience in generative AI, developed more than 5 solutions using OpenAI, ChatGPT and LLM's. Currently Working on Client(AMD) Project as a **Data scientist** on Generative AI and ML.

##### Key Skills:

NLP, Elasticsearch, LTR, Ontologies, Graph Networks, MLOps, MLflow, ChatGPT, LangChain, RAG, Django, Azure Open AI, Streamlit, Gradio

##### Remarkable Projects:

- Ticket Recommendation using Elasticsearch
- Creating domain Based ontologies for cognitive search
- Text similarity and question answering using Langchain FAISS and RAG

##### Achievements:

- Achieved Digital Milestone as part of TCS wings1 program, proving to be hi-talent and cleared all technical exams including Python and Fullstack hands-on.

### [TalentSprint Pvt. Ltd.](#) 2019 August - 2022 January

#### Executive Content Development, AIML (2020 Oct - 2022 Jan)

#### AIML Intern (2019 Dec - 2020 Oct)

#### Fullstack Developer Trainee (2019 Aug - 2019 Dec)

##### Summary:

Joined as a trainee, grabbed an opportunity in the AIML program from IIIT Hyderabad and intern turned to a full time within a year with sheer excellence. With AIML practice, code walkthroughs, hackathons and assignments, I emerged as a mentor and played key role in organization's growth for a specific quarter. Received the honor of leading a prestigious CDS project at IISc Bangalore, where I dedicated my efforts to the development of content in AIML and Data Science. Impressively developed more than 25+ mini projects through collaborative efforts with peers at IISc, by grabbing valuable opportunities to enhance and redefine mathematical skills in the realm of computational data science.

##### Key Skills:

Pytorch, Tensorflow, Cassandra(CQL), PySpark, EDA, Classical ML models, Timeseries models, CNN, RNN

##### Remarkable Projects:

- Stock Trading using Deep Reinforcement Learning
- Face mask detection and emotion classification
- Chatbot from scratch using python (Replica of Alexa skill chatbot)
- Forex platform (A fullstack web application using Spring boot and JQuery)

##### Achievements:

- Awarded for Excellent teaching and mentoring the professionals in AIML and Data science course in 2021 march.
- As a Fullstack developer trainee, single handedly worked on project and achieved a certification from [MentorMinds](#)

### [Acta Scientific Publications Pvt Ltd](#)

2018 August - 2019 July

#### Managing Editorial Associate

Managed the scientific journal ensuring the timely publication of research articles along with plagiarism and proof reading to maintain high quality standards.