

Gowtham Sanapa

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INTERNSHIP

Software domain

06/2025 – 08/2025

- **SOFTWARE INTERN | ZETHON TECH XPLORES PVT. LTD. June 2025 – August 2025**
- Performed data cleaning, preprocessing, and transformation on structured datasets to improve data quality and usability.
- Conducted exploratory data analysis (EDA) and generated insights using Excel and Python.
- Developed reports and dashboards using spreadsheets, pivot tables, formulas, and visualization techniques.
- Assisted in automating repetitive data-processing tasks using Python scripts.
- Collaborated with team members to improve workflow efficiency and support data-driven decision making.

Anantapur,
Andhra Pradesh

Skills

- **Programming** : Python, SQL, MySQL, MongoDB
- **Machine Learning** : Supervised Learning, Unsupervised Learning, Classification, Regression, Clustering, Random Forest, XGBoost, SVM, KNN
- **Deep Learning** : ANN, CNN, RNN, LSTM, Transfer Learning, TensorFlow, Keras, PyTorch
- **Generative AI & NLP** : LLMs, Prompt Engineering, RAG, NLP, Text Classification, Sentiment Analysis, Embeddings
- **Computer Vision** : OpenCV, Image Processing, Image Classification, Object Detection
- **Data Science** : Pandas, NumPy, Data Cleaning, Data Preprocessing, Feature Engineering, EDA
- **Deployment & Tools** : Git, GitHub, Flask, FastAPI, Streamlit, Docker
- **Visualization** : Power BI, Tableau, Matplotlib, Seaborn, Excel
- **Cloud & Development Tools** : Jupyter Notebook, Google Colab, VS Code, Microsoft 365

Education

Bachelors of Technology, A1 Global Institute Of Engineering And Technology

09/2022 – 04/2026

- **Artificial Intelligence And Machine Learning**
- CGPA: 8.1

Markapur,
Andhrapradesh

Intermediate, sri chaitanya jr.college

09/2020 – 04/2022

percentage : 80%

Anantapur, Andhrapradesh

Projects

Sign Language Detection, Sign Language Detection using Computer Vision

- Developed a real-time sign language recognition system using OpenCV and Convolutional Neural Networks (CNN).
- Performed image preprocessing, feature extraction, and gesture classification to improve prediction accuracy.
- Built a computer vision pipeline for hand gesture detection and sign interpretation.
- **Technologies:** Python, OpenCV, TensorFlow, CNN, NumPy

Image Classification using CNN

- Designed and trained a Convolutional Neural Network (CNN) model for multi-class image classification.
- Applied data augmentation, image preprocessing, and hyperparameter tuning to enhance model performance.
- Evaluated model accuracy using confusion matrix and classification metrics.
- **Technologies:** Python, Pytorch, CNN, Matplotlib

Pulsar Star Detection using K-Nearest Neighbors (KNN)

- Developed a machine learning model to classify pulsar stars using the HTRU2 astronomical dataset.
- Performed data preprocessing, feature scaling, missing value handling, and exploratory data analysis (EDA).
- Implemented the K-Nearest Neighbors (KNN) classification algorithm to distinguish pulsar and non-pulsar candidates.
- Evaluated model performance using Accuracy, Precision, Recall, F1-Score, and Confusion Matrix.
- Optimized K values and distance metrics to improve classification accuracy.

- **Technologies:** Python, Scikit-Learn, Pandas, NumPy, Matplotlib, KNN, Machine Learning

Certificates

- Summer Internship At Zethon Tech Xplorers pvt.Ltd
- Python Programming BY Aaj Hub
- Machine Learning With PYTHON By Talent Shine Pvt.Ltd
- Power BI Micro Course By Skill Course
- Data Science With GenAi By Medha Edu Tech

soft skills

- Time Management
- Communication
- Problem Solving
- Analytical Thinking
- Research Ability

Profile

Aspiring Data Scientist with knowledge of Python, SQL, Machine Learning, and Data Analysis. Passionate about working with data to find useful insights and solve real-world problems. Experienced in building academic and personal projects using data science and machine learning tools. A quick learner with strong problem-solving skills, eager to start my career and contribute to data-driven solutions while continuously improving my technical