

# Subramanyam Cheenepalli

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## Summary

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Aspiring B.Tech CSE (Data Science) graduate (2025) with skills in Python, machine learning, and cloud technologies. Experienced in predictive modeling and problem-solving with a collaborative and adaptable mindset. Quick learner, eager to contribute to innovative tech teams and open to immediate opportunities.

## Skills

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- **Programming Languages:** Python, SQL, HTML.
- **Frameworks/Libraries:** Scikit-learn, Pandas, NumPy, Polars, Matplotlib, TensorFlow, NLP.
- **Familiar with:** AWS Cloud, Docker, Git, GitHub.
- **Soft Skills:** Communication, Collaboration, Time Management.

## Internships

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**Data valley India Pvt. Ltd**, Remote, India

Jan 2025 - May 2025

Deep Learning with TensorFlow

- Completed a deep learning internship using TensorFlow, learning neural networks, CNNs, and RNNs. Gained practical experience in implementing models with TensorFlow and Keras.

## Projects

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### Customer Churn Prediction – Machine Learning, FastAPI, AWS, Docker ([Project Link](#))

- Developed a customer churn prediction model to identify at-risk customers, enhancing retention strategies and revenue stability.
- Analyzed a dataset of 7,000+ customer records from [ibm-telecom-churn](#) to uncover key churn drivers and actionable insights.
- Improved model accuracy using SMOTE for class imbalance and optimized performance with ensemble techniques (Logistic Regression, CatBoostClassifier), achieving an F1 score of 86%.
- Deployed the model as a serverless API on AWS using FastAPI and Docker, achieving real-time predictions.
- Identified charges and internet service quality as key churn drivers, recommending personalized plans and targeted improvements in internet service to reduce churn rates.

### Text Summarization with Hugging Face Transformers – NLP, FastAPI

- Fine-tuned a T5 model on the samsum dataset for abstractive summarization with ROUGE evaluation.
- Built a FastAPI + HTML web app to provide real-time summarization.
- Worked with transformer models, gaining practical experience in text summarization techniques.

## Education

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**Sri Venkateswara College of Engineering, B. Tech (CSE, Data Science)**

Dec 2021 – May 2025

- CGPA: 8.49/10

**Sri Chaitanya Junior College**, Class-12 Intermediate (MPC)

Jun 2019 – Mar 2021

- Percentage: 91.0 %

**Master Minds IIT Talent High School**, Class-10

Jun 2018 – Mar 2019

- CGPA: 9.5/10

## Certifications

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- Machine Learning Specialization – Andrew Ng – Coursera
- Python basics for data science by EDX

## Extracurricular Engagements

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**Data Nexus:** Contributed to launching a student-led data science community by assisting with workshops, hands-on sessions, and organizing resources. Helped engage 50+ students in collaborative learning and project development.