Ponnavolu Chakradhar Reddy

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EDUCATION

- **Indian Institute Of Technology, Palakkad** *2022 – Present*
  B.Tech, Computer Science and Engineering CGPA: 8.33 (Current)

- **Sri Chaitanya Junior College, Raman Bhavan** *2018 – 2020*
  Board of Intermediate Education, Andhra Pradesh Percentage: 97%

PROJECTS

- **Traffic Accident Severity Prediction** *Oct 2024 – Dec 2024*
  Developed ML model to classify traffic accident severity
  - Tools: Python, Scikit-learn, Pandas, NumPy, Jupyter Notebook, Matplotlib, Seaborn
  - Collaborated in a team of three to build a model classifying accidents (Fatal, Serious, Slight Injury)
  - Preprocessed data, performed feature selection, trained models to improve accuracy
  - Identified key risk factors to support traffic management
  - **Project Link:** Drive Folder

- **Violent vs Non-violent Crimes Analysis** *Dec 2024 – Jan 2025*
  ML model to predict violent vs non-violent crimes using community data
  - Tools: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Jupyter Notebook
  - Analyzed crime dataset with 100+ features and built classification models
  - Identified key socio-economic factors affecting community-level crime patterns
  - **Project Link:** Drive Folder

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Python, C
Developer Tools: Pandas, NumPy, SciPy, Matplotlib, Scikit-Learn, Matlab
Frameworks: FastAPI
Cloud/Databases: PostgreSQL (Intermediate)
Version Control: Git, GitHub
Currently Learning: Deep Learning, NLP, TensorFlow
Areas of Interest: Machine Learning, Data Analysis, Backend Development

POSITIONS OF RESPONSIBILITY

- **CSE Internship Coordinator:** Career Development Cell (CDC) *2024 – 2025*
- **Finance Media and Publicity Member:** Finance Club *2023 – 2024*
- **SFC Volunteer:** Sports and Fitness Council *2023 – 2024*