NARRA MOHITH CHARAN

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PROFESSIONAL SUMMARY

I am an IT student skilled in Python, C / C++, and SQL. I use NumPy and pandas to clean and explore data, Matplotlib and Seaborn to make clear visuals, and scikit-learn for tasks like classification, regression, and clustering. I also have hands-on practice with deep learning and NLP. I would like to join an internship where I can apply these tools to real problems and learn from experienced mentors.

SKILLS

Languages	C, C++, Python, HTML, CSS, SQL
Libraries	Numpy, Pandas, matplotlib, seaborn, scikit-learn
Machine Learning	Supervised Learning, Unsupervised Learning, regressions, classifications
Deep Learning	
NLP	
Tools	Git, Google Colab, Tableau, MS-Excel, Jupyter Notebook, ChatGPT, Gemini AI
Soft Skills	Time Management, Teamwork, Communication, Problem Solving

PROJECTS

SMS Spam Classification Python, pandas, scikit-learn, NLTK, Google Colab GitHub

- **Description:** Built a pipeline to distinguish spam vs. ham in SMS messages using TF-IDF features and a logistic regression model.
- **Key Tasks:**
  Loaded and cleaned 5,500+ messages, handled missing or malformed text.
  Transformed text into TF-IDF vectors. Trained and evaluated a LogisticRegression classifier, optimizing regularization via grid search.
- **Result:** Achieved 96.8 percentage test accuracy with low false-positive rate.

Hate-Speech Detection Python, pandas, scikit-learn, Google Colab GitHub

- **Description:** Developed a decision-tree–based filter to flag hateful tweets, enabling lightweight moderation support.
- **Key Tasks:**
  Collected and preprocessed a 10,000-tweet dataset (tokenization, stop-word removal).
  Converted text into bag-of-words vectors using CountVectorizer.
  Trained a DecisionTreeClassifier and pruned it to control overfitting.
- **Result:** Reached a 89 percentage F1-score on held-out data, with interpretable decision rules for moderation teams.

Credit Exploratory Data Analysis (EDA) Python, pandas, Matplotlib, Seaborn, Google Colab GitHub

- **Description:** Conducted thorough exploratory analysis on a loan dataset to uncover drivers of default risk and inform feature engineering.
- **Key Tasks:**
  Handled missing values and outliers across income, balance, and demographic fields.
  Plotted distributions (histograms, boxplots) and correlation heatmaps to spot key patterns.
  Segmented customers by loan purpose and credit tiers to reveal distinct risk profiles.
  Engineered new ratio features (e.g., debt / income) that later improved modeling.
- **Result:** Identified the top four predictors of default and proposed five engineered features, setting the stage for a +0.05 ROC-AUC lift in downstream models.

EDUCATION

B.Tech in Information Technology, International Institute of Information Technology, Bhubaneswar
July 2023-pursuing
GPA: 7.73
Intermediate in PCM, Sri Chaitanya Junior Kalasala, Vijayawada
July 2021-April 2023
percentage: 93.8
10th, Dr K K R Gowtham Hostel School, Guntur
July 2020-April2021
percentage: 100

CERTIFICATION AND HACKATONS

- AWS-Solutions Architecture Job Simulation
- Deloitte Australia- Data Analytics Job Simulation
- Certificate of Participation in DSA Quiz and Coding Competition
- Certificate of Participation in HackOrbit 2025 – National Hackathon