

# Chiluka Nandhini

Hyderabad, India

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GitHub: <https://github.com/ChilukaNandhini>

## EDUCATION

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**JNTUH College Of Engineering Manthani**

*Bachelor of Technology in Computer Science and Engineering (AI&ML)*

Pedhapalli, Telangana

**2021 - 2025**

Cumulative GPA: 7.4

**Kakatiya Junior College**

*Intermediate (MPC)*

Nizamabad, Telangana

**2019 - 2021**

**Chaitanya High School**

*Secondary School Certificate (SSC)*

Nizamabad, Telangana

**2018 - 2019**

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C

**Web Technologies:** HTML, CSS, JavaScript

**Databases:** MySQL

**Developer Tools:** Git/GitHub, Docker, VSCode, Jupyter Notebook

## PROJECTS

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### SQL Chatbot (LLM-powered)

- Built a conversational chatbot to convert natural language queries into SQL commands. Used **LangChain** and **Google Gemini API** to interpret user intent and construct queries.
- Integrated database layer using **PyMySQL** and **SQLAlchemy** for safe execution. Implemented input validation and restricted access to prevent destructive queries.
- Built a **Streamlit**-based interface that enables real-time interaction and result preview. Users can view executed queries, refine inputs, and download results as CSV.
- **Libraries:** Python, LAngChain, Gemini API, SQLAlchemy, PyMySQL, Streamlit.
- Simplified SQL database interaction for non-technical users through natural language input.

### Personality Evaluation and CV Analyzer

- Developed a system to analyze resumes and extract soft skills, tone, and career alignment. Used **NLP** and **ML models** to evaluate candidate personality traits.
- Applied **Logistic Regression** and **SVM** to classify resumes into Big Five personality dimensions. Evaluated accuracy using classification metrics and visualization.
- Developed a **Streamlit** web app for uploading resumes and receiving personality-based feedback. Provided scorecards and recommendations to improve profile alignment.
- **Libraries:** Python, Streamlit, scikit-learn, Pandas, spaCy, Seaborn
- Enabled data-driven resume review and soft skill analysis through a user-friendly interface.

### Spam Email Classifier

- Developed a spam email classifier using **NLP** and machine learning algorithms. Cleaned and processed text data by handling duplicates, stopwords, and special characters.
- Applied **TF-IDF vectorization** to convert text into features. Trained models like **Naïve Bayes** and **SVM**, achieving a best accuracy of **98.94%**.
- Evaluated model performance using accuracy, precision, recall, F1-score, and confusion matrix. Visualized results using Matplotlib and Seaborn.
- **Libraries::** NumPy, Pandas, NLTK, scikit-learn, Matplotlib, Seaborn
- **Deployment:** Serialized both the trained model and TF-IDF vectorizer using **pickle** for future use and deployment.

## COURSES AND CERTIFICATIONS

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- The Complete Python Pro BootCamp - Udemy
- Data Structures and Algorithms using Java – FreeCodeCamp
- Responsive Web Development – Topcoder Academy
- Machine Learning – Simplilearn

## SOFT SKILLS

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- Time Management
- Team Collaboration
- Problem Solving

## LANGUAGES KNOWN

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- Telugu
- English