

## Bandaru Purnesh Guptha

Vizianagaram, Andhra Pradesh 535579

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## Internship & Training

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### Virtual Intern

Dec 2024 - Jan 2025

TechSaksham (Microsoft & SAP in partnership with AICTE).

#### SMS Spam Detection Project:

- Contributed on detecting spam messages using machine learning. Successfully designed and implemented a model leveraging NLP techniques for accurate spam classification.
- Skill Development:** Enhanced foundational AI skills by completing guided training sessions, with hands-on experience in Python, machine learning, and AI technologies.

### Summer Training

June 2024 - July 2024

CSE Pathshala (Advanced Python for ML&AI)

#### Real Estate Price Prediction:

- Developed a real estate price prediction model using machine learning, leveraging data from 99acres.com. Successfully implemented data preprocessing, feature engineering, and regression models to improve prediction accuracy.
- Skill Development:** Gained hands-on experience in Python, data preprocessing (Pandas, NumPy), machine learning (Scikit-learn), and data visualization (Matplotlib, Seaborn).

## Projects

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### Movie Recommendation System/ Python, Pandas, scikit-learn, NLTK, Streamlit

Oct 2024 - Nov 2024

- Developed a machine learning-based movie recommendation system, leveraging collaborative and content-based filtering techniques
- Built an app-like user interface using Python's Streamlit for real-time movie suggestions, enhancing usability and engagement.

### Indian Language Classification / Python, NLTK, scikit-learn

Sep 2024 - Oct 2024

- Developed a Natural Language Processing (NLP) model to classify Indian languages using n-gram language models and other NLP techniques.
- Focused on accurately identifying the language of a given text sample among multiple Indian languages, considering diverse linguistic structures and scripts.
- Utilized n-gram models for feature extraction and implemented character-level analysis to handle language-specific nuances effectively.

## Certificates

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IBM Machine Learning (Coursera)

Since Feb 2025

Microsoft AI&ML Engineering (Coursera)

Since Feb 2025

Cloud Computing (NPTEL/SWAYAM)

Dec 2024

Advanced Python for ML&AI (CSE Pathshala)

July 2024

## Technical Skills

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**Languages:** C++, Python, Java, HTML

**Technologies/Tools:** Git, GitHub, Ubuntu, Docker, VS code, Google-Colab, Jupiter-Notebook

**Libraries/Frameworks:** Scikit-Learn, Matplotlib, Seaborn, OpenCV, Tensor flow, PyTorch

**Skills:** Data Structures and Algorithms, Problem-Solving

## Education

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**Lovely Professional University Punjab**

2022 – Present

Computer Science and Engineering — CGPA: 7.91

Jalandhar, Punjab

**APSWREIS Kopperla**

2020 – 2022

12th with Science — Percentage: 93.9%

Vizianagaram, Andhra Pradesh

**MPL HS Contonment**

2019 – 2020

10th with Science — Percentage: 100%

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