

# Penumudi Datta Jagan Mohan

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## Summary

An IT professional with a strong foundation in web development. Experienced in building scalable applications using Java, Python, and cloud platforms such as AWS and Azure. Passionate about leveraging technology to develop innovative solutions and improve system efficiency. Looking for opportunities to apply my skills in a challenging, growth-driven environment.

## Education

Institute Of Aeronautical Engineering, Information Technology

Nov 2022 – May 2026

- GPA: 8.0

## Experience

Internshala Student Partner Program

Oct 2024

- As an Internshala student partner, I promoted Internshala's internship platform on my campus. My role involved conducting awareness campaigns, helping peers create effective profiles, and sharing valuable resources on resume building and interview skills.

Wayspire

Oct 2024

- As a Campus Ambassador for Wayspire, I represented the brand at my college increasing awareness of their services and opportunities. I engaged with the students, organized informational sessions

## Projects

Harmonizing Emotions and Climate using Music Personalization

- Developed a system using live video capture analysis to assess the mood and environment of the user and the feedback of the song by the user. Integrated **custom playlist generation** based on user listening history and mood detection for better recommendations. **Technologies Used:** Python , TensorFlow, Keras, OpenCV, Pandas, Spotipy, Tkinter, Pillow (PIL), Requests, CSV WeatherAPI .

TODO Application

- Developed a **TODO application** using Java for back-end processing and SQL for database management. Deployed using **Tomcat Server**, with frontend built using **HTML and CSS**. **Technologies Used:** Java, SQL, Tomcat, HTML, CSS **Technologies Used:** HTML, CSS, JavaScript

Auto WhatsApp Messenger

- Developed a Python-based application to automate sending WhatsApp messages to multiple contacts by uploading a CSV file containing numbers and custom messages. This tool bypasses manual typing and improves efficiency for mass communication. **Technologies Used:** Python, PyWhatKit, Tkinter (for GUI), Pandas (for CSV handling)

## Technical Skills

**Programming:** Java, Python, C

**Web Development:** HTML, CSS, JavaScript

**DataBase:** SQL, MYSQL

**Relevant coursework :** OOPS, DBMS , OOSE, OS, CN

**Interests:** WebDeveloper , Cloud Computing, Software Development.

## Certificates

Woosong University (Korea) [[View Certificate](#)]

AI-ML, Google Developers [[View Certificate](#)]

Cybersecurity (Coursera) [[View Certificate](#)]

CyberSecurity, Palo Alto [[View Certificate](#)]

AWS Academy Cloud Foundations, AWS [[View Certificate](#)]

HackerRank Certifications: SQL | JAVA

## Coding Profiles

[LeetCode](#) | [CodeChef](#) | [HackerRank](#) | [GeeksForGeeks](#)