# PATHKI TEJA

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## EDUCATION

**Avanthi Institute of Engineering and Technology | CGPA: 7.5 | Expected Graduation: July 2026**

*Bachelor of Technology (B.Tech), Computer Science and Engineering (Artificial Intelligence and Machine Learning)*

## EXPERIENCE

**Nuved Business School (Onenorth Learning Pvt. Ltd.)**

*Web Development Intern | November 11, 2024 – December 11, 2024*

- Collaborated with a cross-functional team **(designers/back-end)** to optimize user experiences.
- which contributed to earning a **performance-based  stipend.**
- Collaborated closely with the development team to enhance functionality and **user experience.**

## SUMMARY

Aspiring AI/ML Data Scientist with a strong foundation in Python, SQL, Data Analytics, and Machine Learning. Passionate about designing scalable ML models, and automating AI-driven applications. Skilled in data visualization, statistical modeling. Seeking opportunities to contribute and grow in a collaborative AI/ML environment.

## PROJECTS

**Infinite Notepad |** *view project*

- Developed an **interactive Power BI dashboard** for **sales performance**, **customer behavior**, and **revenue trends**.
- **Cleaned and transformed raw sales data** using Power Query for accurate reporting
- Applied DAX functions to **generate key business insights for strategic decision-making**.

**Super-Resolution-Model-for-Image-Enhancement-by-research-paper |** *view project*

- The goal is to generate high-quality images from low-resolution inputs efficiently\
- DIV 2K This is a dataset of hundreds of High Resolution images. I uploaded it for doing super resolution.
- By using **numpy** , **tensorflow**  and **matplotlib.pyplot**

*AI-Powered-Text-to-Image-Generator-* | *view project*

- This project leverages the power of the Stable Diffusion model to generate stunning images from text prompts.
- Pre-trained Stable Diffusion Model : **runwayml/stable-diffusion-v1-5** model for high-quality image generation.
- NSFW Filter Disabled: Allows unrestricted image generation by disabling the safety checker.
- Easy-to-Use Interface: Simple command-line prompts make image generation straightforward.

***AI-Invisibility-Cloak-Project*** | *view project*

- Developed a real-time invisibility cloak application using **Python, OpenCV, and Flask.**
- **Implemented computer vision techniques** to detect and **mask specific colors,** creating the invisibility
- Creates a **real-time invisibility** effect by detecting and masking specific cloak colors using **OpenCV.**

## CORE SKILLS

**Programming Languages**: Python, SQL, Java (basic).

**Databases** : MySQL, PostgreSQL.

**Data Analytics & Visualization**: Microsoft Excel (intermediate), Power BI, Matplotlib, Seaborn.

**Version Control:** Git, GitHub.

**Machine Learning & AI:** Scikit-learn, TensorFlow, PyTorch, NLP, Deep Learning