

# Pradeep Pediredla

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## Summary

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An aspiring Computer Science student with specialization in Artificial Intelligence, seeking a software development role to apply my skills in Java and Python. Eager to contribute to innovative projects while supporting the company's growth and my growth. Good communication skills with a strong sense of teamwork and a proactive mindset.

## Education

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<b>Bachelor of Technology – Artificial Intelligence</b>	2022-Present
Anurag University, Hyderabad	
<b>State Board of Telangana - Class XII</b>	2020-2022
Urbane Junior College, Hyderabad	
<b>CBSE- Class X</b>	2019-2020
St. Peter's Model School, Hyderabad	

## Skills

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

**Web development:** Html, Css, JavaScript (basics)

**Frameworks & Libraries:** NumPy, Pandas, Scikit-learn, OpenCV, TensorFlow/Keras, Matplotlib, HuggingFace Transformers

**Development Tools:** VS Code, Eclipse, Jupyter Notebook, Google Colab, Git & GitHub

**Databases & Querying:** MySQL, MongoDB (basics)

**Cloud & Deployment:** Streamlit, Render, Apache Tomcat, Spring Boot (basic deployment)

## Projects

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**Resume Reviewer** (Python, Scikit-learn, NLP, Streamlit)

- Built a tool to analyze and score resumes based on using NLP techniques.
- Implemented keyword extraction, section-wise parsing, and scoring data to highlight strengths and gaps.
- Provided feedback through a user-friendly UI built using Streamlit.

**Image Generation using Diffusion Model** (Python, StableDiffusion, Hugging Face, Diffusers)

- Developed an image generator using diffusion technique and Stable Diffusion models.
- Adjusted the model using custom prompts and data to create more relevant and accurate images.
- Used Hugging Face's Diffusers for efficient model loading and deployment.

**Real-Time Collaborative Markdown Editor** (React.js, Socket.IO, MongoDB)

- Built a collaborative Markdown editor with live preview and real-time syncing capabilities.
- Stored documents in MongoDB to enable version persistence and document retrieval.
- Added syntax highlighting, markdown rendering, and basic version control features.

## Achievements and Certificates

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**Fundamentals and Associate in Cybersecurity – Fortinet**

- Gained foundational knowledge in network security, threat detection, and cybersecurity principles.

**Data Structures in C – Great Learning Academy**

- Learned core data structures like arrays, linked lists, stacks, and queues using C programming.

**Data Analysis with Python – IBM SkillsBuild**

- Covered data wrangling, visualization, and basic statistical analysis using Python libraries