

CHAITANYA POTHALA

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EDUCATION

Vishnu Institute of Technology B.Tech - Artificial Intelligence and Data Science; GPA: 8.73	Andhra Pradesh, India Nov 2022 - Apr 2026
Sasi Educational Institutions Intermediate - MPC; MARKS: 938/1000	Andhra Pradesh, India Jun 2020 - Aug 2022
Aditya School MARKS: 559/600	Andhra Pradesh, India Jun 2019 - Jun 2020

SKILLS

- **Programming:** Python, Java
- **Web Development:** ReactJS, HTML, CSS, JavaScript, Bootstrap
- **Generative AI Tools:** Hugging Face Hub, Lang Chain, Llama Index, N8N
- **Databases:** MySQL, MongoDB, Chroma DB, Pinecone
- **Tools & Frameworks:** Git, GitHub, Drizzle ORM, Clerk, FastAPI, PyTorch, Scikit-learn, Python Libraries
- **Soft Skills:** Time Management, Teamwork & Collaboration, Problem Solving, Excellent Communication

PROJECTS

HematoVision LINK	2025
SKILLS: Python , Tensorflow , NumPy , Pandas , HTML , CSS , JavaScript	
<ul style="list-style-type: none">• Objective: Designed a web application leveraging transfer learning with pre-trained CNN architectures (Eg: ResNet50) to accurately classify Eosinophils, Lymphocytes, Monocytes and Neutrophils from microscopic images.• Impact: Streamlined the manual blood cell diagnosis process by enabling rapid, automated and high-accuracy classification, assisting in clinical diagnosis, telemedicine, and medical education.	
Pegasus Chat Summarizer LINK	2025
SKILLS: Transformers , NLP , Fine Tuning , ROUGE Evaluation	
<ul style="list-style-type: none">• Objective: Fine-tuned the Pegasus Transformer model on the SAMSum dialogue dataset to perform abstractive summarization of informal conversations using the Transformers and Datasets libraries.• Impact: Achieved high-quality abstractive summaries with strong ROUGE scores, enabling efficient summarization of real-world dialogues for applications in chat analytics, customer support, and meeting assistants.	
Real-Time Interview System LINK	2024
SKILLS: React , Drizzle ORM , Gemini API , Clerk	
<ul style="list-style-type: none">• Objective: To develop an Interactive AI-driven platform that conducts mock Interviews in real time, dynamically generating question based on user input and role specifications.• Impact: Achieved 90% accuracy in generating contextually relevant questions and real-time feedback. Enhanced Interview preparation through voice synthesis and camera-based interaction.	

CERTIFICATES

Fine Tuning LLMs (Infosys SpringBoard) CERTIFICATE	Jun 2025
SKILLS: Model Fine-tuning , Dataset Preparation	
MongoDB Mastery (GFG) CERTIFICATE	Oct 2024
SKILLS: MongoDB	
Data Visualization with Python (EDX) CERTIFICATE	Jul 2024
SKILLS: Python	
Web Development (COURSERA) CERTIFICATE	Mar 2024
SKILLS: HTML , CSS , JavaScript , React	

ACHIEVEMENTS

- Finalist in **JAGSoM Next Gen Minds Hackathon**, conducted by **Apna**, out of 10000+ applicants.
- Solved **500+ coding problems** across platforms, strengthening **algorithms** and **problem-solving skills**.
- Ranked among **top 10%** in a Nationwide coding competition hosted by **Coding Ninjas**.
- Assisted **100+ students** on **Chegg** with clear solutions and explanations for complex engineering problems.