

VEERABHADRA SAI AMARNATH AMUDALAPALLI

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PROFESSIONAL SUMMARY

Innovative Full Stack Developer with a B.Tech in Computer Science and Engineering and hands-on experience in building SaaS platforms, secure authentication systems, and Gen AI applications. Proficient in the MERN stack, Next.js, Java, and Python. Eager to contribute enthusiasm, adaptability, and a fresh perspective to a dynamic team.

EDUCATION

B.Tech - Computer Science and Engineering	CGPA: 9.11
Malla Reddy University, Hyderabad	2021 - 2025
Class XII - TSBIE	96.4% 2021
Class X - BSEAP	97% 2019

PROJECTS

Cloudinary Media Suite - A SaaS Platform [Github](#) | [Vercel](#)

- Tasked with building a cloud-based SaaS platform for media management and transformation, simplifying media upload and editing.
- Developed the full-stack solution using Next.js, MongoDB, and Cloudinary. Integrated Clerk for secure authentication. Built features for media upload, transformation (Instagram, Twitter, Facebook formats), video compression, and media actions like download, share, and delete.
- Reduced cloud storage usage by 30% through video compression and auto-deletion of unused images, creating a more efficient and cost-effective solution.

Full Stack Authentication System [Github](#) | [Vercel](#)

- Tasked with building a secure and efficient full-stack authentication system for managing user registration, login, password reset, and email verification.
- Developed the system using Next.js, MongoDB, Nodemailer, and Mailtrap. Implemented JWT for authentication, bcrypt for password hashing, and set up email verification and password reset features.

AI Career Coach - Gen AI Application [Github](#)

- Tasked with developing an AI-powered Career Coach to analyze resumes and offer personalized career insights, utilizing Generative AI and Retrieval-Augmented Generation (RAG).
- Designed and implemented the system using LangChain, Google Gemini API, FAISS, and PyPDF2 to extract and process resume data. Integrated semantic embeddings and enabled an interactive Q&A feature to provide tailored career advice.
- Achieved 87.33% accuracy in providing contextually relevant answers, significantly improving the resume review process by delivering personalized career insights and advice.

SKILLS

Web Development: HTML, CSS, JavaScript, React, Next.js, Node.js

Programming Languages: Core Java, Python, C++

Database Technologies: SQL, MongoDB

Gen AI & NLP: Building Gen AI Applications using LLMs (Transformers, RAG) and a strong understanding of NLP fundamentals (Tokenization, Stopword Removal, Stemming, Lemmatization, and Embeddings)

CERTIFICATIONS

- Introduction to Generative AI | Google Cloud & SkillUP – Simplilearn | [View Certificate](#)
- Complete Web Development Course | Udemy | [View Certificate](#)
- Programming for Everybody (Python) | University of Michigan – Coursera | [View Certificate](#)

ACHIEVEMENTS

- Conducted a workshop on the basics of Web Development for 80+ students and received positive feedback.
- Secured 2nd place in Python Technical Quiz at Neurosplash 2k24, Malla Reddy University (2024).
- Achieved 1st place in C & Python Technical Quiz at Spark-Intelligentia 2k22, Malla Reddy University (2022).