

NAGA KRISHNA SAI PRAKHYA

Hyderabad, Telangana

◇ +91 7013364124 ◇

Computer Science and Engineering, NGIT



LinkedIn



Portfolio



GitHub

EDUCATION

Industry Ready Certification in Full-stack Development

2022 - Present

Nxtwave Disruptive Technologies

Bachelor of Engineering in Computer Science

2022 - 2026

Neil Gogte Institute of Technology OU, Hyderabad

CGPA: 8.94/10

Higher Secondary (Physics, Chemistry, Maths)

2020 - 2022

Narayana Jr College, Hyderabad

98.6%

Secondary School Certificate

2019 - 2020

St. Anthony's High School, Hyderabad

CGPA: 9.8/10

TECHNICAL SKILLS

Languages

C, Java, HTML/CSS, JavaScript, TypeScript*, Python, SQL

Frameworks

Next.js, React.js, Express.js, Tailwind CSS, Flask, Redux*

Tools

Git/GitHub, VS Code, GitHub Actions, Google Colab

Databases

MongoDB, SQLite*, PostgreSQL*

Machine Learning & AI

ANN, CNN, Generative AI

WORK EXPERIENCE

Carvia

Jan 2025 - March 2025

Full-stack Developer

Remote

- Developed a full-stack web application using the MERN stack and TypeScript with Tailwind CSS.
- Designed and implemented RESTful APIs with Node.js and Express.js for seamless data integration.
- Integrated JWT-based role authentication to enhance security and user access control.

PROJECTS

🔒 Automated Redaction System

October 2024

- Built a Next.js and TypeScript-based redaction tool with MongoDB integration to securely store and process sensitive data in images and PDFs.
- Developed a U-Net-based image segmentation model using Keras to identify and mask logos and signatures in images (referenced from U-Net Research Paper, 18 May 2015).
- Fine-tuned a transformer-based Named Entity Recognition model to identify sensitive content in text and images.

🔒 Facial Verification System

January 2024

- Created a facial verification system using Siamese Neural Networks with Keras and TensorFlow.
- Preprocessed a dataset of facial image pairs to train and optimize the model for identity matching.
- Achieved 92% accuracy in verification tasks through hyperparameter tuning.

🔒 Optimization of Doctors Availability

September 2023

- Developed a MERN stack based hospital scheduling system with a QR-based attendance feature to optimize doctor appointments and track presence.
- Used logistic and linear regression models to predict patient diseases, allocate slots, and estimate waiting times.
- Enabled automated scheduling, conflict minimization, and real-time doctor suggestions based on symptoms and slot availability.

EXTRACURRICULAR ACTIVITIES & CERTIFICATIONS

- Deloitte Australia Data Analytics Simulation: Completed data analysis and forensic tech simulation, built a Tableau dashboard, and classified data in Excel.

February 2025
- Hackathon Winner: Secured 1st place in a hackathon organized by NGIT for developing an e-commerce platform integrated with Agentic AI.

December 2024
- Project Expo Winner: Achieved 1st place for presenting the project (Optimization of Doctors Availability to Reduce Patient Wait Time) at NGIT Techtonic Event.

April 2024
- Smart India Hackathon: Awarded 2nd Runner-Up in the internal round of the prestigious Smart India Hackathon at NGIT.

September 2024
- National-Level Hackathon: Competed in HackXcelerate at CBIT, Hyderabad, demonstrating problem-solving and teamwork skills.

April 2024
- Event Organizer: Planned and executed cultural events in school and college, highlighting organizational and leadership abilities.


2022 - Present


OTHER WORK

- Developed a Convolutional Neural Network (CNN) using NumPy to demonstrate forward and backward propagation in CNNs (along with Pooling and Activations) and trained it to classify MNIST digit images.
- Explored the working of Language Models and Transformers; studied U-Net model for object detection.
- Implemented Retrieval-Augmented Generation (RAG) to query documents, enabling efficient information retrieval and response generation.

ADDITIONAL INFORMATION

Skills marked with an asterisk (*) indicate ongoing learning: ANN (Artificial Neural Networks), CNN (Convolutional Neural Networks), RAG (Retrieval-Augmented Generation), NGIT (Neil Gogte Institute of Technology)

 GitHub Repo Hyperlinks

 LinkedIn Profile Hyperlink

(Icons being used while following LinkedIn and GitHub permitted guidelines)