

# Nagaroshan NS

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## SUMMARY

Results-oriented BTech student with experience in AI, Machine Learning, and Data Science. Skilled in Python, Django, and AI-driven solutions, with hands-on experience in developing innovative projects and participating in national-level hackathons. Strong teamwork and communication skills demonstrated through successful project collaborations.

## EDUCATION

### KGISL Institute of Technology, Coimbatore, Tamil Nadu

Bachelor of Technology in Artificial Intelligence and Data Science  
2022 - 2026 | CGPA: 8.0

### Vidya Vikasini Matriculation Higher Secondary School

10th Grade: 2020 | Percentage: 85.4%  
12th Grade: 2022 | Percentage: 83.8%

## SKILLS

**Languages:** Python, CSS, HTML, JavaScript

**Frameworks:** Django, Flask, React.js, Angular ,FastAPI

**Databases:** PostgreSQL, MySQL, Supabase, Firebase,MongoDB

**Tools:** GitHub, Chatgpt

**Other Skills:** Artificial Intelligence, Data Science, Machine Learning

**Machine Learning Libraries:** TensorFlow, PyTorch, Scikit-Learn

**Data Visualization:** Matplotlib, Seaborn

## PROJECTS

- **CCTV Video Analysis Model:** Developed a model using YOLO for real-time object detection and text summarization for crime detection during a Gen AI hackathon.
- **Contact Center Knowledge Management Tool:** Created a decision tree-based chatbot with translation and machine learning capabilities, built during the Smart India Hackathon.
- **Cloud Burst Prediction System:** Designed a cloud burst forecasting tool using weather data, developed at a KGISL hackathon.
- **Multilingual Voice-to-Text and Text-to-Voice App:** Built an app in Python to convert voice to text and text to voice in multiple languages.
- **Website for Incubation Center:** Developed a CRM and project management tool using Django for student-mentor collaboration.
- **Hackathon Management Website:** Designed a Django-based platform for team registration, idea submission, review, and abstract submission to streamline hackathon management.

## CONFERENCES AND HACKATHONS

- **PyCon India 2023**, Hyderabad - National level conference.
- **AZConf**, Chennai - Conference.
- **Gen AI Hackathon**, SNS Institution of Technology.
- **Smart India Hackathon Grand Finale** - National level hackathon.