

NAGASHREE DS

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Professional Summary

Aspiring AI Developer, Cybersecurity Enthusiast, Full-Stack Learner, and Machine Learning practitioner with a strong foundation in programming, cybersecurity, and AI. Currently pursuing B E in Computer Science at JSS Academy of Technical Education, Bengaluru. Experienced in developing real-time AI and ML applications using Python, Java, and modern web technologies. Skilled in building intelligent systems, including phishing detection and sign language recognition. Demonstrated leadership through internships, national competitions, and entrepreneurial roles. Passionate about leveraging technology to solve real-world challenges and contribute to innovative projects.

EDUCATION

JSS Academy Of Technical Education Bengaluru, Karnataka, India

Bachelor of Engineering (B E) in Computer Science Engineering

Dec 2022 - Apr 2026

CGPA: 8.44

Achievements:

1. Active member of National Service Scheme (NSS) and a Core Volunteer at NSS.
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WORK EXPERIENCE

Ideation head - Sep 2024 - Mar 2025

- National entrepreneurship Challenge (NEC), JSS Academy of Technical Education, Bengaluru (JSSATEB) E-Cell, Indian Institute of Technology (IIT) Bombay

Organized and executed a successful startup pitch competition as part of the National Entrepreneurship Challenge (NEC). Recruited and mentored 20+ student participants, resulting in strong representation from JSSATEB.

Member - June 2024

- Women Techmakers

Student Intern - Dec 2024- Mar 2025

- Consortium Of Electronic Industries of Karnataka, Bangalore

Engineered data pipelines for efficient processing and storage using Python. Performed comprehensive data cleaning on industrial datasets, improving data quality by eliminating duplicates and standardizing formats. Played a key role in organizing CLIKTRONIKA 25, a premier electronics industry event.

Student Intern - Oct 2024-Mar 2025

- Infosys Springboard

Completed comprehensive AI learning pathways, gaining expertise in machine learning fundamentals. Participated in the Pragati Path to Future Cohort 3 on campus at Infosys Bangalore DC.

Campus Ambassador - Jul 2024 - Dec 2024

- Entrepreneurship Cell (E-Cell), IIT Bombay, Mumbai, Maharashtra, India

Ranked 154 among nationwide campus representatives, demonstrating exceptional performance metrics.

Participant- Oct 2024-Nov 2024

- Girl Script Summer of Code, India

ACHIEVEMENTS

- 2nd Runner-up in the **Design and Innovation Clinic 2025** held at **CMTI**, competing among 200+ teams.
 - 1st Place in the **ISRO Space Startup Pitch Competition (2024)**.
 - Campus Ambassador for **E-Cell IIT Bombay** with a rank of 154.
 - Attended **Pragati Path to Future Cohort 3** on campus at Infosys Bangalore DC.
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PROJECTS

1. Phishing Website Detection using AI Algorithms

- Developed a machine learning model to detect phishing websites using URL structure, domain metadata, and SSL certificate indicators.
- Achieved over 95% accuracy with Random Forest and SVM classifiers.
- Built a real-time phishing detection tool with a user-friendly interface for live URL analysis.

2. Real-Time Sign Language Recognition System (Hardware + AI)

- Developed a real-time sign language interpreter using Raspberry Pi, camera module, and OLED display for compact hardware deployment.
- Trained custom LSTM models on gesture data tracked via Mediapipe to classify dynamic signs.
- Integrated text-to-speech output, OLED message display, and React + Flask stack for full-stack functionality.

3. Fake News Detection using AI Algorithms

- Developed a machine learning model to detect fake news articles using natural language processing techniques and content-based features.
 - Achieved over 90% accuracy using Logistic Regression, Random Forest, and Passive Aggressive Classifier models.
 - Built a real-time fake news detection tool with a simple web application for live text analysis and classification.
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CERTIFICATIONS

- **National Programme on Technology Enhanced Learning (NPTEL) certified Introduction to Internet of Things** - Nov 2023
 - **Tata Consultancy Services (TCS) ION career edge- young professional** - May 2024
 - **Tata Group - Cybersecurity Analyst Job Simulation** - Mar 2024
 - **NPTEL certified Java** - May 2024
 - **Postman API Fundamentals Student Expert** - Nov 2024
 - **ManageEngine certified Associate ADAudit Plus** - Nov 2024
 - **Infosys certified C Programming Proficiency** - Mar 2024
 - **Google certified Foundations of Cybersecurity** - Apr 2024
 - **NPTEL certified Design and Analysis Of Algorithm** - Oct 2024
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CORE COMPETENCIES

Technical Skills - Generative AI, MongoDB, Java, Python (Programming Language), C (Programming Language), HTML, Front-End Development, Cybersecurity, Artificial Intelligence (AI), Algorithms, Machine Learning.

Soft Skills - Team Leadership, Entrepreneurship, Analytical Skills, Presentation Skills, Resume Writing, Problem Solving, Critical Thinking, Organization Skills, Interpersonal Skills, Communication, Time management.

Project Management - Project Planning, Business Process Analysis.

Security Management - Security Information and Event Management (SIEM), Identity and Access Management (IAM).