

KOPPULA SREEJA

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WORK EXPERIENCE

Bio Guardian – AI-Powered Wildlife Tracking System

National-Level Hackathon Winner (3rd Place, among 539 teams, VNR Designathon)

- Developed **Bio Guardian**, an AI-powered system integrating **computer vision, NLP, and satellite imagery** to achieve **90%+ accurate species detection** for biodiversity conservation.
- Implemented **Deep Learning & NLP** using **Python, OpenCV, and TensorFlow**, processing **10K+ images daily** and analyzing 1M+ research papers to improve species detection **accuracy by 95%** and boost conservation insights by **70%**.

Smart India Hackathon

Finalist (Among 200+ teams at the national level)

- Designed a **smart city bus tracking app**, reducing wait times by **70%** and helping **80% of users** avoid missed buses.
- Built a **passenger interface** to analyze real-time arrival data and bus occupancy.
- Engineered an **automated conductor dashboard**, enabling **seamless passenger data updates** for improved transit efficiency.

EDUCATION

B.Tech in Computer Science

Sep 2023 - May 2027

Gokaraju Rangaraju Institute of Engineering and Technology

- SGPA: **9.49** (till date)

Intermediate Education

Jun 2020 - May 2022

Sri chaitanya junior college

- Percentage: **98%**

SKILLS

- **Technical Skills:** C, Java, Python, HTML, CSS, JavaScript, React, Node, NumPy, Pandas, MySQL, MongoDB, TensorFlow
- **Tools:** VS Code, Git/GitHub
- **Technical Expertise:** Machine Learning, Algorithm Design, Object-Oriented Programming (OOP), Data Structures & Algorithms.
- **Communication:** Clear, concise presenter of technical concepts in discussions.
- **Collaboration:** Effectively coordinate and manage projects while ensuring seamless teamwork.

CERTIFICATIONS

- **Swayam NPTEL:** Selected Topics in Algorithms (67%), Problem Solving Through Programming in C
- **Tools:** VS Code, Git/GitHub
- **Python 3.4.3 Training:** Completed with 85% under Spoken Tutorial Project by IIT Bombay
- **Competitions:** Hackathons (Merit Certificate - 2nd Runner up among 530 teams in VNR Designathon), Ideathons, Coding Contests, Creativity Challenges.

PROJECTS

Rethink Rountine by DevPost

- Created a **buy/sell/rent/donate platform** for second-hand items, leading to a **30% waste reduction**.
- Engineered secure transactions, **product listings**, and **real-time chat** to enhance user experience.
- Achieved **40% cost savings** by promoting **reuse-based commerce**. [Website](#).

To-Do List App (Java)

- Boosted **productivity by 30%** through **task tracking and automated metrics**, reducing task completion time by 20%.
- Designed and integrated a user-friendly UI, improving efficiency by 25% over 3 months.

File & Folder Manager (Java):

- Built a **secure file management system** supporting **100+ directories** and **1,000+ file operations seamlessly**.
- Implemented **data integrity checks** to prevent data loss..

HOBBIES

- Yoga and meditation for mental clarity
- Creative thinking to address real-world challenges
- Designing innovative solutions for technical and real-world challenges.