

# VINAYAK TATA

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## Summary

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B.Tech student specializing in Artificial Intelligence & Machine Learning with hands-on experience in Python, machine learning, NLP, and computer vision. Skilled in developing practical AI solutions and working on real-world projects. Eager to gain industry exposure and contribute as an AI/ML or Software Engineering Intern.

## Education

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**B.Tech in Artificial Intelligence & Machine Learning**

**NRI Institute of Technology | [2023-2027]**

**CGPA: 8.2**

**Relevant Coursework: Machine Learning, Deep Learning, NLP, Computer Vision, Cloud Computing**

## Experience

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### Internship Averix Solutions – Internship in Machine Learning & AI (Online)

- Undergoing hands-on training in AI/ML with focus on real-world applications and predictive analytics.
- Working on live projects involving data preprocessing, model development, and intelligent system design.
- Enhancing practical skills in problem-solving, model evaluation, and deployment of ML solutions.

## Projects

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### Scam Detector | Python, Flask, ML Models – [\[GitHub\]](#)

- Web app to identify and flag suspicious links, integrated ML models for real-time scam verification.
- Enhanced user experience with a clean, interactive frontend and fast response times.

### Vocal Sense | Python, Flask, Speech-to-Text– [\[GitHub\]](#)

- Speech-to-text app for farmers with regional language support, improving accessibility.
- Implemented voice command processing to simplify navigation and data entry.

### Resume Analyzer using AI | Python, NLP, spaCy – [\[GitHub\]](#)

- Tool to analyze resumes against job descriptions using NLP and cosine similarity scoring.
- Provided automated feedback and suggestions to improve resume quality and match.

### Leaf Disease Detection | Python, PyTorch, CNN – [\[GitHub\]](#)

- CNN-based model for automatic plant leaf disease detection with regional language support.
- Deployed a real-time prediction system to assist farmers directly in the field.

## Skills

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**Programming Language:** Python

**Frameworks & Libraries:** Flask, Scikit-learn

**AI/ML & NLP:** NLP Pipelines, Prompt Engineering

**Data Science & Visualization:** NumPy, Pandas, SQL, Matplotlib , Power BI

**Tools & Platforms:** Git, GitHub

**Cloud & DevOps:** AWS, Docker

## Hackathons & Certificates

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**NRI Institute of Technology Hackathon:** Collaborated with peers to develop innovative full-stack web solutions, solving real-world challenges and enhancing practical skills.

**Code Spark Hackathon:** Participated in problem-solving challenges using AI/ML and full-stack development, delivering practical solutions under tight deadlines.