VINAYAK TATA

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Summary

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

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

Internship Averixis 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

Scam Detector | Python, Flask, BeautifulSoup,NLP,Requests – [GitHub]

- Built a web app to verify internship offers using domain, WHOIS, and CIN validation.
- Used Requests, BeautifulSoup, and TextBlob to extract website data and generate a trust score.

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

Programming Language: Python
Web Scrapping & Automation: Selenium , BeautifulSoup , Requests
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

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.