

Summary

AI/ML-focused Computer Science Engineer with hands-on experience in backend development, scalable system design, and API integration. Proficient in Python and Node.js with a strong foundation in problem-solving and model optimization. Passionate about developing intelligent and efficient solutions for real-world applications.

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech CSE-AIML	VNR VJIET, Hyderabad	JNTU, Hyderabad	7.99 (Till 6th Sem)	2021 - 2025
Intermediate	SASI junior College	BIE	98.8%	2019 - 2021
SSC	SASI EM high school	BSE	10 GPA	2019

TECHNICAL SKILLS

- Programming Languages:** Python, Java, JavaScript, SQL
- Tools and Frameworks:** Node.js, Flask, MySQL, Postman API, TensorFlow, Keras, Scikit-learn, Github
- Core Competencies:** Node.js backend Integration,Python Backend Integration,RESTful API,Data Preprocessing,Prompt Engineering, Model Development

CERTIFICATIONS

- Application development using Node.js**, Udemy
- Cybersecurity and computer networks**, NPTEL
- Smart Coder** , Smart Interviews

INTERNSHIPS AND WORK EXPERIENCE

Research Assistant

NIT AP

Jan 2025 - Present

- Developed machine learning models to optimize mechanical dryer dimensions, improving efficiency by **98%** using Python and optimization algorithms. Enhanced energy consumption and drying performance, reducing operational costs by **40%** and increasing processing speed by **2x**, leading to a more sustainable and cost-effective drying system.

SkillBuild Internship

IBM, Hyderabad

Feb 2024 - Mar 2024

- Gained hands-on experience in data analytics using Python, including **data manipulation**, visualization, and trend analysis.
- Explored Generative AI, learning model architectures and building practical solutions for applications such as text generation and image synthesis.
- Strengthened technical and analytical skills in data analytics and AI through real-world problem-solving.

PROJECTS

- Intelligent Resume Matching System**

jan 2025

Live link

  - Developed an AI-powered resume screening tool using cosine similarity for candidate-job matching, reducing manual effort by **80%**. Integrated LLM-based fraud detection to verify authenticity. Enabled threshold-based scoring, automated shortlisting, and email notifications. Scalable to process thousands of resumes efficiently, improving hiring accuracy and speed.
  - Showcased various design principles such as authorization and authentication,dynamic data retrieval, and posting. .
- Skin Disease Classification and Progression Prediction using CNN**

Nov 2024

  - Enhanced an existing CNN-based skin disease classification model, increasing accuracy from **60% to 80%** through data augmentation, hyperparameter tuning, and advanced preprocessing. Trained on a **6,000**-image dataset and integrated a probability-based disease progression analysis, helping predict the potential growth of detected conditions.
  - Deployed the model for real-time image diagnosis, improving early detection and decision-making in dermatology.
- Automated Decentralized Procurement Management system**

Sep 2024

Code link

Backend-Integration

  - Developed a Procurement Management System to automate purchase requests, vendor selection, and inventory tracking, reducing procurement processing time by **50%** and manual errors by **60%**. Built with Node.js and Express.js, utilizing MongoDB for efficient data storage. Implemented a microservices architecture with REST APIs for scalability and modularity. Integrated role-based access control and real-time notifications, enhancing workflow efficiency and decision-making speed. Optimized system performance, improving data retrieval speed by **35%** and ensuring seamless procurement operations.
- Real Time Weather Application**

Nov 2024

Code link

  - Utilizing a third party API for obtaining real time weather data. Handling the required Data by creating APIs from extracting required data of different cities like Hyderabad, Mumbai etc , and visualization of historic trend.

Achievements

- **Fetch.ai Agent Hackathon** 2024  
*Fetch.ai* IIT-Guwahati Hackathon
  - Represented VNR VJIET and secured **4th position** among all **8 finalists** in the grand finale at IIT-Guwahati out of nearly **950+** teams, for developing an **Automated Decentralized Procurement Management System** using **multi-agent AI technology**.
- **Flipkart Grid** 2023-2024
  - Qualified for 2nd round of Flipkart Grid National level Contest 2 times.
- **Problem Solving** 2023  
*Competitive Programming* Hackerrank,Leetcode
  - Won **50** Days badge on Leetcode for daily commits.
  - Achieved Silver Level (**4-star**) in Competitive Programming on Hackerrank Leetcode, solving **500+** problems in DSA.

Training and courses

- **Smart Interviews** 2023-2024  
*DSA and Problem Solving* Hyderabad
  - (Bronze Certification), Problem-Solving skills and critical Thinking for designing Algorithms.
- **MERN Stack** 2022  
*Full Stack Development* Hyderabad
  - Gained hands-on experience with Various Frameworks like React and Node.js and Database like MongoDB, efficient Web design and API designs.

Co-curricular Activities

- **Participated in SIH,VNR VJIET** 2023
  - Worked on a problem pitching and designing an Application for Tourists.
- **Attended GIT Workshop,VNR VJIET** 2023
  - Got hands-on experience on GIT and GitHub.
- **Participant,Ecficio 4.oH, VNR VJIET** Dec. 2021
  - Involved in various coding contests in the annual Technical fest
- **Inter-School Competitions** 2018-20
  - Secured **3rd** Rank (Inter-School) in International Science Olympiad .
  - Qualified for **2nd** Round of NTSE.