Nalipi Sridhar Reddy

Tirupathi, AP nalipisridharreddy@gmail.com +91 73863-76302 NSR Portfolio

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About Me

I'm a passionate and versatile software professional skilled in Python, SQL, and libraries like NumPy, Pandas, Matplotlib, and Seaborn. I have hands-on experience in building dynamic websites and crafting user-friendly applications using modern web technologies. With a focus on clean code, continuous learning, and teamwork, I'm eager to contribute to impactful tech solutions across diverse domains.

Technologies

Programming Languages: Python (Intermediate), C (Intermediate), Java (Basic), HTML/CSS (Intermediate), JavaScript (Basic), SQL

Frameworks Libraries: Django, NumPy, Pandas, Matplotlib, Seaborn.

Tools Platforms: Git, MySQL, Microsoft SQL Server, Power BI, Excel, PowerPoint, PyCharm, Jupyter Notebook, VS Code, Oracle, Xcode, Xampp

Development Practices: Code Review, Technical Documentation, Code Optimization

Soft Skills: Clear Communication, Problem-solving, Attention to Detail, Adaptability, Report Building, Stakeholder People Management

Experience

AI Data Quality Analyst Trainee   *EC, Bengaluru*
Rooman Technologies   *Feb 2025 – May 2025*

- Gained hands-on experience in data analysis using Python libraries such as NumPy, Pandas, Matplotlib, and Seaborn.
- Learned fundamentals of AI, data wrangling, exploratory data analysis, and data visualization techniques.
- Worked on practical assignments and projects focused on real-world business data and analytics workflows.

Full Stack Web Development   *Internship*
Edunet Foundation   *Feb 2024 – Apr 2024*

- Developed an Online Notes Sharing Application using HTML, CSS, JavaScript, Node.js, and MongoDB.
- Implemented user authentication, file upload/download, and real-time note sharing.
- Gained practical experience in building and deploying full-stack web applications.

Managed Network Expert   *Freelancer*
Chegg India   *Sep 2023 – Aug 2024*

- Delivered clear, accurate solutions to global students' academic queries in programming and algorithms.
- Simplified complex computer science concepts for better understanding and learning outcomes.
- Ensured quality, clarity, and timely responses to support academic success.

Campus Ambassador   *Internship*
Rendezvous (IIT Delhi)   *Sep 2023 – Oct 2023*

- Represented IIT Delhi's cultural fest Rendezvous'23 on campus and promoted event participation.
- Created awareness and engagement through online and offline outreach activities.
- Acted as a liaison between IIT Delhi organizers and campus students, driving enthusiasm and registrations.

Education

K.S.R.M College of Engineering   *Dec 2021 – Apr 2025*
B.Tech in Artificial Intelligence and Machine Learning

- GPA: 8.5/10.0

- ○ **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Bhashyam Junior College *July 2019 – Mar 2021*

Intermediate in M.P.C

- ○ Marks: 793/1000
- ○ **Coursework:** Mathematics, Physics, Chemistry, English, Telugu

Projects

Deep Learning-based Pothole Detection System *Pothole Detection* ↗
- ○ Developed a CNN-based model to detect potholes in road images and videos with high accuracy.
- ○ Implemented image preprocessing, contour detection, and bounding box visualization using OpenCV.
- ○ Tools Used: Python, OpenCV, TensorFlow

HR Data Analysis Dashboard *HR Data Analysis* ↗
- ○ Analyzed HR dataset to uncover insights related to employee attrition, job satisfaction, and performance.
- ○ Created visualizations using Matplotlib and Seaborn for better interpretation of HR trends.
- ○ Tools Used: Python, Numpy, Pandas, Seaborn

Face Detection and Recognition System *Face Recognition* ↗
- ○ Implemented face detection using Haar Cascade classifiers and recognition using LBPH algorithm.
- ○ Built a GUI for training new faces and recognizing them in real-time through webcam.
- ○ Tools Used: Python, OpenCV

Online Notes Sharing Platform *Notes Sharing* ↗
- ○ Built a full-stack web application that allows students to register, upload, and download notes.
- ○ Integrated user authentication, file handling, and responsive UI for seamless experience.
- ○ Tools Used: Django, HTML, CSS, JavaScript, SQL

Certifications

- ○ Predictive Analytics Modeler – IBM, May 2024 ↗
- ○ Cloud Computing – NPTEL, Jan–Apr 2024 ↗
- ○ Big Data Engineer – IBM, Feb 2024 ↗
- ○ Introduction to Industry 4.0 and IoT – NPTEL, Jul–Oct 2023 ↗
- ○ Data Science 101 – IBM, Oct 2023 ↗
- ○ Excel Basics for Data Analysis – Coursera, June 2023 ↗
- ○ Business Intelligence – IBM, June 2023 ↗
- ○ Leadership and Team Effectiveness – NPTEL, Jan–Apr 2023 ↗
- ○ Introduction to Data Analytics – Coursera, Feb 2023 ↗
- ○ RDBMS – IBM, Jan 2023 ↗
- ○ Java Fundamentals – IBM, Sep 2022 ↗
- ○ Introduction to Python – IBM, Aug 2022 ↗
- ○ The Fundamentals of Digital Marketing – Google, May 2021 ↗

Achievements

- ○ **Second Place – E-Blaze 2K24**, National Level Technical Symposium (2024)

    - – Demonstrated creativity and analytical thinking by proposing innovative solutions.
    - – Collaborated effectively within a team to solve real-world problems under time constraints.
    - – Presented a well-researched and practical idea that stood out among numerous entries.

Publications

Deep Learning for Accurate Pothole Detection and Repair Cost Analysis   ICAISC2025-762 ↗
*ICAISC, **Methodist College**, Hyderabad*   *June 2025*

Volunteer Experience

Web Caster – AP Elections 2024
Election Commission of India
Date: May 2024

- Volunteered as a web caster to digitally monitor live polling activity at a Collector Office, Kadapa.

- Ensured transparency and accurate data transmission during Andhra Pradesh state elections.

Community Service Project – Govt Schools
College Initiative
Date: Aug 2023

- Delivered educational awareness sessions in under-resourced government schools.

- Assisted with school cleanliness drives and organized digital literacy workshops.

Clay Ganesha Distribution Drive
Hindustan Scouts and Guides Association, Tirupati
Date: Aug 2022

- Actively participated in the distribution of 1,25,000+ eco-friendly clay Ganesha idols to promote environmental awareness.

- Contributed to one of the largest eco campaigns initiated by the Government of Andhra Pradesh and TTD.