

# Dandu Madhukar Reddy

## Full Stack Developer with Data Science Expertise

[LinkedIn-Profile](#) | [Github-Profile](#) | [Portfolio](#)

### Education

Lovely Professional University, Punjab 2020-2024 | CGPA: 7.8

Bachelor of Technology in Computer Science with specialization in Machine Learning & Artificial Intelligence

### Experience

Data Science Intern | Upgrad | Jan 2024 - July 2024 || [VISIT](#)

- Led a team in developing a Flower Recognition System using Convolutional Neural Networks.
- Utilized Python and Streamlit to build an interactive interface for image upload, data preprocessing, and prediction.
- Achieved 95% accuracy in predicting flower types, demonstrating expertise in deep learning models and data-driven decision making.
- Managed project timelines, delegated tasks, and ensured delivery, showcasing project management and team collaboration.
- Performed data collection, wrangling, and preprocessing to improve model efficiency.

### Projects

Chit Chat | React.js | Firebase | Material UI

- Developed a real-time chat application using React.js with Firebase for authentication and image storage.
- Integrated Google login, email/password authentication, and emoji support with react-emojis.
- Implemented a modern glassmorphic UI and used Firebase as the database for storing messages and images.

Personal Finance Manager | FastAPI | React.js | Chart.js

- Developed a finance management app with FastAPI for backend and React for frontend, handling user authentication and financial transactions.
- Integrated Chart.js to visualize transaction history and trends, and added CSV export functionality for data analysis.
- Styled the app with Tailwind CSS, enhanced UX with Framer Motion, and provided real-time notifications via React Toastify.

Sentiment Analysis App | FastAPI | React.js | Machine Learning | NLP

- Developed a sentiment analysis app using FastAPI for the backend to analyse text and send sentiment results to the frontend built with React.js.
- Applied NLP techniques and machine learning models for text sentiment analysis.
- Added features for text summarization and auto-correct functionality for spelling mistakes, merging backend and frontend seamlessly.

### Certifications

- Data Structures and Algorithms - Self Paced [Online Course] - **GeeksforGeeks**.
- Python Bootcamp: From Zero to Hero - **Udemy**

### Contact

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### Technical Skills

#### Frontend Development:

React.js, Next.js, HTML, CSS, JavaScript, Tailwind CSS, Material UI, Responsive Design

#### Backend Development:

FastAPI, Firebase, Node.js, REST APIs, Authentication, Express.js, MongoDB, Database Integration

#### Languages & Tools:

Python, JavaScript, SQL, R, Pandas, NumPy, Scikit-learn

#### Data Science & Machine Learning :

Data Cleaning, Preprocessing, NLP, Predictive Modeling, Deep Learning, CNN

#### Business Intelligence:

Dashboard Design, KPI Reporting, Data Aggregation, ETL, Data Warehousing

#### Data Visualization :

Power BI, Tableau, Plotly Express, Matplotlib, Seaborn

### Tools/Software

**Development Tools:** VS Code, Jupyter Notebook, Google Colab

**Cloud/Version Control:** AWS, Git, GitHub

### Languages

**English:** Written & Spoken

**Telugu:** Written & Spoken

**Hindi:** Spoken

### Soft Skills

Communication | Teamwork | Problem-solving | Time management | Analytical Thinking