

# Ciranjeevi Dashnamoorthy

AI & SOFTWARE ENGINEER

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## About

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I am Ciranjeevi Dashnamoorthy currently pursuing in second year of my B.Tech in Artificial Intelligence and Data Science. I am passionate about applying my technical skills to solve real-world problems and gaining hands-on experience in a dynamic environment. I thrive in collaborative settings and am always looking for opportunities to grow, both personally and professionally.

## RELEVANT SKILLS

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### TECHNICAL SKILLS

#### Programming Languages

- Python: Proficient in data manipulation, machine learning, and deep learning using libraries like NumPy, Pandas, TensorFlow.
- R: Experienced in statistical analysis, data visualization
- JavaScript: Skilled in building dynamic web applications with modern frameworks.
- HTML & CSS: Strong foundation in designing responsive and user-friendly web interfaces.

#### Machine Learning & Data Science

- Proficient in implementing algorithms like regression, classification, clustering, and decision trees.
- Experienced with libraries like scikit-learn for model building and evaluation.
- Advanced data visualization using Matplotlib, Seaborn, and Plotly.

#### Web Development

- Frontend: Skilled in js and framework like flask
- Backend: Skilled in Node.js and Express.js for server-side development.
- Databases: Proficient in MySQL for data storage and management.

#### Tools & Platforms

- Version control with Git/GitHub.
- Proficient in Jupyter Notebooks for interactive data analysis.
- Familiarity with platforms like VS code for deployment.

#### Soft Skills:

Problem-solving, critical thinking, teamwork, communication, time management, adaptability, attention to detail, leadership, and creativity.

## PROJECTS

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### Machine Learning

**1) Stock Prediction Model:** I worked to develop a machine learning model to predict stock market trends using historical data, incorporating algorithms like Linear Regression and LSTM for time-series forecasting.

**2) Disaster Prediction Model:** Recently Built a predictive model to forecast natural disasters (e.g., floods or earthquakes) using statistical data and machine learning techniques, aiming to enhance early warning systems.

**3) OpenCV Projects:** Created various computer vision applications using OpenCV, including object detection and counting, image classification and leveraging techniques like YOLO and Background Subtraction Techniques.

**4) Large Language Models (LLMs):** Experience in integrating LLMs for dynamic content generation, fine tuning the models and NLP-based interactions.

## Web Development

### Stock Analysis Tool using Flask:

Built a Flask-based web application to analyze and visualize stock market trends, enabling users to make informed investment decisions. Developed APIs to fetch real-time stock market data using integrations with Yahoo Finance API and other financial data providers. Designed intuitive dashboards using Flask templates (Jinja2) and integrated Chart.js/Plotly for real-time data visualization.

## EXPERIENCE

### Intel Unnati Industrial Training Program 2025 | Intern

February 2025-Apr 2025(Ongoing)

Working on an interactive learning game powered by Generative AI, focusing on dynamic content generation, personalized learning, and natural language interaction. Developed AI models to generate quizzes, mini-stories, and puzzles dynamically, adjusting difficulty based on user progress. Designed game mechanics such as leveling systems, badges, and leaderboards to enhance engagement. Implemented natural language interaction, enabling players to ask questions and influence the game's narrative. Built an AI-driven recommendation system to adapt learning paths based on user performance, ensuring a personalized and intuitive educational experience.

## EDUCATION

### 1) Velammal Vidhyashram, Chennai

2018-2020

**12<sup>th</sup> Percentage: 90.6%**

### 2) Sri Sairam Engineering college, Chennai

B.Tech- Artificial Intelligence and Data Science

Expected Graduation- 2027

**CGPA-9.07\***(As of 3<sup>rd</sup> Semester)

## CLUBS & ACTIVITIES

**YUCI Club:** Active member, participated in club events and initiatives.

**ENSAV Club:** Engaged in club activities promoting.

**Red Ribbon Club:** Contributed to club activities focused on promoting health awareness and HIV prevention.