

# Adhitya Emmadi

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## SKILLS

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**Languages:** Python, C++, C, HTML, CSS, and JavaScript

**Frameworks:** Django, Flask

**Tools/Platforms:** MySQL, Google Colab, Jupyter Notebook, Git, GitHub

**Soft Skills:** Self-Motivated Learner, Strong Problem-solving, Adaptable, Quick learner

## PROJECTS

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### School Management System | Angular, Django REST Framework, MySQL, Docker, Vercel | [GitHub](#)

Feb' 26

- Developed a full-stack CRUD web application using Angular and Django REST Framework with MySQL integration.
- Designed RESTful APIs handling GET, POST, PUT, DELETE operations and implemented proper data flow between frontend and backend.
- Containerized backend using Docker and deployed frontend on Vercel to simulate production-ready architecture.

### Public Transportation Demand Forecasting Model | Python, NumPy, Pandas, Scikit-learn | [GitHub](#)

April' 25

- Preprocessed and analyzed time-series ridership data using Pandas and NumPy to identify seasonal demand trends.
- Developed and compared Linear Regression, SARIMA, and Fuzzy Logic models for forecasting.
- Reduced RMSE by ~20% compared to baseline Linear Regression and evaluated performance using RMSE and R<sup>2</sup> metrics.

### Photography Tips Bot | React, Tailwind CSS, AI Agent integration | [GitHub](#)

Mar' 25

- Built an AI-powered photography assistant using React, integrating an AI agent to deliver real-time photography tips.
- Designed a responsive UI with Tailwind CSS and deployed with auto-update functionality for seamless user experience.

## TRAINING

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### Cipher Schools (Edtech Company) | DSA using C++ | [Link](#)

Jun' 25 – Aug'25

- Developed a C++ project implementing key data structure and algorithms (linked lists, stacks, queues, trees, and graphs)
- Applied OOP principles and dynamic memory management to design clean, modular, and maintainable code.
- Analyzed and optimized time and space complexity, followed by thorough testing and debugging using edge cases to ensure efficiency and reliability

## CERTIFICATES

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### Cloud Computing | NPTEL | [Link](#)

Sep' 25

### Computational Theory | [Link](#)

Aug' 25

### Build Generative AI Apps and Solutions with No-Code Tool | Infosys | [Link](#)

Aug' 24

### ChatGPT-4 Prompt Engineering | Infosys | [Link](#)

Aug' 24

## ACHIEVEMENTS

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### Hackerrank 4-star in Python Programming | [Link](#)

Nov'25

### Participated in Hackathon | InnovativeX LPU | [Link](#)

Mar' 24

## EDUCATION

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### Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Aug' 23 – Present

Computer Science and Engineering; CGPA: **5.98**

### Sree Chaitanya Jr. College

Karimnagar, Telangana

Intermediate

Jun'20 – Mar' 21

PCM; Percentage: **85.6**

### TSMS School

Karimnagar, Telangana

Matriculation

Jun' 18 – Mar' 19

CGPA: **9.7**