



# ANAND MADHAPPAN

## Junior Software Developer

Dharmapuri, India

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B.Tech Graduate in Artificial Intelligence and Data Science with strong expertise in python-FastAPI, GraphQL, MongoDB, and MySQL. Experienced in Web Development, Data Analysis, and automation with a solid foundation in Data structures, algorithms, and Object-oriented programming. Proven ability to work effectively in team environments and adapt quickly to new technologies.

### EDUCATION

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#### KGiSL Institute of Technology

2021 - 2025

*B.Tech. Artificial Intelligence and Data Science (CGPA: 8.2\*)*

Coimbatore, India

#### St. Paul's Matric Hr Sec School

2019 – 2021

*Class XII – PCM + Biology (Percentage: 83.8%)*

Dharmapuri, India

### TECHNICAL SKILLS

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**Languages:** Python, SQL (MySQL), HTML/CSS, MongoDB

**Frameworks/Tecnologies:** FastAPI, React

**Developer Tools:** Git, GitHub, VS Code, Jupyter Notebook

**Technical Coursework:** Data Structures and Algorithms, Machine Learning, Cloud Computing, Data Analytics.

### PROJECTS

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#### HRMS – Human Resource Management System

**Tech Stack:** *Python-FastAPI, HTML, CSS, Bootstrap, MySQL.*

- Designed and implemented a complete HRMS solution with modules for staff, leave, and payroll management.
- Built RESTful APIs using FastAPI integrated with a MySQL backend for reliable data handling.
- Developed responsive user interfaces with HTML, CSS, and Bootstrap, improving usability and employee engagement.

#### LMS – Learning Management System

**Tech Stack:** *React, Bootstrap, GraphQL, FastAPI, MongoDB*

- Developed an interactive LMS platform with course management, instructor dashboards, and student tracking.
- Implemented GraphQL APIs with FastAPI for efficient querying and seamless frontend-backend integration.
- Utilized React and Bootstrap for a responsive, user-friendly interface, enhancing the overall learning experience.

### EXPERIENCE

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#### Junior Software Developer

Feb(2025) - Present

*Younder Bots Private Limited*

Contributed to the development of HRMS and LMS applications using FastAPI, React, GraphQL, MongoDB, MySQL, HTML, CSS, and Bootstrap. Implemented backend APIs and database schemas, ensuring smooth integration with frontend components. Collaborated with cross-functional teams to deliver scalable and user-friendly enterprise applications.

#### Machine Learning Intern

June 2023

*Website Makers*

- Employs CNNs and RNNs to accurately recognize hand signs and gestures from image or video input.
- Interprets signs and translates them into text or speech, facilitating effective communication.
- Enhances accessibility for individuals with hearing impairments, supporting inclusive communication.

### CERTIFICATIONS

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- **Google Developer Student Club (Google)**
- **Microsoft Ambassador Program (Microsoft)**
- **Python CS50 Certificate (Harvard University)**

### PARTICIPATIONS

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- Participated in 36 hour Open-Source hackathon and won third prize.
- Won second prize in Codeathon based on Cyber Security (Steganography).
- Also participated in various hackathons across India.

### AREA OF INTEREST

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Artificial Intelligence, Python Programming, Machine Learning, Neural Networks, DevOps

### LANGUAGES KNOWN

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English (*Fluent*), Tamil (*Native*)