

## Vijay

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### Professional Summary

Passionate Computer Engineering student specializing in Artificial Intelligence (AI) and Machine Learning (ML) with a strong foundation in competitive programming, problem-solving, and software development. Enthusiastic about leveraging technology to build innovative solutions and contribute to impactful projects.

### Education

B.E. in Computer Science and Engineering (AI & ML)  
Kalaighar Karunanidhi Institute of Technology, Coimbatore  
2023 - 2027

### Technical Skills

- Programming Languages: C, C++, Python
- Databases: SQL (DBMS)
- Machine Learning: AI & ML applications, Model Training, Data Analysis
- Web Development: FastAPI, React, Vite, RESTful APIs
- Tools & Platforms: Git, Linux, DialogFlow, VS Code

### Work Experience

AI & ML Intern

CodeBind Technologies

- Developed an AI-powered E-commerce Chatbot using Google DialogFlow to enhance customer interactions.
- Gained hands-on experience in machine learning model deployment and data preprocessing.
- Improved chatbot accuracy by fine-tuning NLP models and optimizing response generation.

### Projects

Lost & Found Platform (AI-powered Matching System)

- Designed and built an ML-based Lost & Found Management System using FastAPI, PostgreSQL, and React.
- Implemented BERT + Cosine Similarity for accurate lost-item matching.
- Developed a QR-based verification system for secure ownership validation.
- Integrated a point-based reward system to encourage community participation.

E-commerce Chatbot (AI Virtual Assistant)

- Created an AI-powered chatbot for e-commerce platforms using Google DialogFlow.

- Automated customer queries, reducing response time by 40%.
- Integrated chatbot with payment and order tracking systems.

### Achievements

- LeetCode Rating: 1650+
- 60+ Coding Contests (CodeChef & LeetCode)
- 600+ Problems Solved across multiple platforms
- 250+ Active Days in competitive programming
- Ranked among top competitive programmers on CodeChef

### Certifications

- Machine Learning Specialization - Coursera
- Data Structures & Algorithms - Striver's A2Z DSA Sheet
- AI for Everyone - Andrew Ng

### Languages

- Tamil (Native)
- English (Professional Proficiency)

### Extracurriculars

- Active member of AI & ML Student Club
- Mentor for junior students in competitive programming

### Keywords for ATS Optimization

Artificial Intelligence, Machine Learning, Python, C++, Competitive Programming, Data Structures, Algorithms, SQL, Chatbot Development, FastAPI, React, NLP, BERT, Cosine Similarity, Problem-Solving, API Development, Software Engineering, Git, Data Analysis.