# 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)  
Kalaignar 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.