

Jai Akaash S

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EDUCATION

PSG Institute of Technology and Applied Research

Bachelor of Engineering in Computer Science and Engineering, CGPA - 8.61

Coimbatore

Oct 2022 – Oct 2026

Ramakrishna Mission Vidyaalayaa Matric Higher Secondary School

SB, Class XII, Aggregate - 96.7%

Villupuram

June 2021 – May 2022

EXPERIENCE

Soil Monitoring System - Internship

Feb 2024

IIITDM, Kancheepuram

- Designed a Convolutional Neural Network (CNN) model to predict soil types with an accuracy of 97.8%.
- Achieved a high accuracy score through multiple iterations and model optimization.
- Explored the potential for real-world applications in soil monitoring.

Expense Feedback System - Internship

Jun 2024

SAP Labs, Bangalore

- Implemented an AI-driven "Expense Feedback" system that processes expense report PDFs in real-time to ensure completeness, accuracy, and compliance of expense reports, cutting manual audit time.
- The system audits and provides actionable feedback before submission for approval, reducing manual review time and improving financial accuracy.

PROJECTS

JewelCrm | HTML, CSS, React, MongoDB

Mar 2025

- Developed a CRM web application using React.js and MongoDB to efficiently manage and store customer data.
- Implemented features to efficiently store, manage, and retrieve customer information using a structured database schema. Integrated Twilio WhatsApp Business API to automate customer communication, enabling event-based messaging for improved engagement and responsiveness.

Trie-based Autocomplete System | HTML, CSS, Python, WebAssembly, JavaScript

Apr 2025

- Built a Trie-powered autocomplete engine in Python and compiled it to WebAssembly for seamless integration with a responsive web interface.
- Explored real-world applications of Trie, including autocomplete, File Systems, spell-checking, dictionary word search, and IP routing.

AREAS OF INTEREST

- Data Structures and Algorithms
- Computer Networks
- Problem Solving
- Operating Systems
- Object-Oriented Programming
- Database Management Systems

ACHIEVEMENTS AND ACTIVITIES

- **ICPC Regionalist '25** - Qualified for the ICPC Amritapuri Regionals 2025.
- **Solved 1000+** DSA/CP Problem across various coding platforms.
- **Finalist** in Saastra Programming Contest - 2024.
- **Leetcode** - Guardian -Top 1.28% (Max Rating - 2135)
- **CodeChef** - High rated 3 Star (Max Rating - 1755)
- **CodeForces** - Specialist (Max Rating - 1478)
- **Secured** top positions in various coding contests.
- **Executive Member** - Coding club, Organized 5+ events.
- **Event Management** - Organized and managed various events for Coding club and Yuktaha in the college.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, MySQL, Reactjs

Developer Tools: Git, Visual Studio Code

CODING PROFILES

CodeForces: jaiakaash22 — **CodeChef:** jaiakaash22 — **LeetCode:** jaiakaash22