

Jai Akaash S

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EDUCATION

PSG Institute of Technology and Applied Research <i>Bachelor of Engineering in Computer Science and Engineering, CGPA - 8.61</i>	Coimbatore Oct 2022 – Oct 2026
Ramakrishna Mission Vidyaalayaa Matric Higher Secondary School <i>SB, Class XII, Aggregate - 96.7%</i>	Villupuram June 2021 – May 2022

EXPERIENCE

Soil Monitoring System - Internship <i>IITDM, Kancheepuram</i>	Feb 2024
Expense Feedback System - Internship <i>SAP Labs, Bangalore</i>	Jun 2024

• 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.

• 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
- Operating Systems
- Computer Networks
- Object-Oriented Programming
- Problem Solving
- 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