

Athira Raj

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Professional Summary

Final-year B.Tech Computer Science student with a strong foundation in Java and C programming, and hands-on experience in machine learning and data analysis. Experienced in applying data-driven techniques to real-world scenarios through academic and independent projects. Brings strong analytical thinking, problem-solving abilities, and a collaborative mindset to team environments.

Technical Projects

Drug Addiction Prediction in Students

Jun 2025 – Present

- Designing and developing a secure, cloud-based web application using Flask and Ngrok to predict drug addiction risk in students.
- Implementing machine learning models (Random Forest, SVM, Neural Network) to analyze behavioral, academic, and clinical indicators.
- Designing a responsive, user-friendly interface to assist educators and counselors in interpreting risk insights and supporting timely intervention and prevention efforts.

Resume Builder Web Application

Dec 2024 – Apr 2025

- Developed a web app supporting three export formats (PDF, DOCX, TXT) with one-click downloads for seamless compatibility across platforms.
- Features real-time autosave and cloud sync to protect user progress and enable access from any device.
- Offers deep customization with adjustable templates, fonts, and layouts while maintaining ATS-friendly structures.

Education

B.Tech in Computer Science

2022–2026

Carmel College of Engineering and Technology, APJ Abdul Kalam University

CGPA: 7.5 — Relevant Coursework: Data Structures, DBMS, Software Engineering

Higher Secondary (Bio-Maths)

2020–2022

St. Mary's Residential Central School (CBSE)

High School

2018–2020

St. Mary's Residential Central School (CBSE)

Technical Skills

- **Programming Languages:** C, Java, Python, MySQL
- **Tools & Platforms:** Figma, VS Code, GitHub, Tableau
- **Core Concepts:** OOP, Data Structures, Algorithms, Agile Methodology

Achievements

- Participant – IEEE Xtreme 17.0 Coding Competition
- Participant – IEEE Xtreme 18.0 Coding Competition
- Participant – IEDC 24-hour Hackathon
- Design Team Member – TEDx CCET (2024)
- Certified in SQL (Basic) – HackerRank

Languages Known

Malayalam (Native), English (Professional), Hindi (Basic), Tamil (Conversational)