

Akhil Raj

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EDUCATION

SRM UNIVERSITY-KATTANKULATHUR CAMPUS

Sep 2022– July 2026

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.02/10 (6 semesters)

Courses: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming

in C++, Computer Architecture, Database Management System, Artificial Intelligence, Bio-inspired Computing

Gyan Jyoti Public School, Patna, Bihar

Apr 2020 – Apr 2022

Senior Secondary Education – Class XII & XI – CBSE

Board examinations percentage: 74%

Litera Valley School, Patna, Bihar

Apr 2018-Apr 2020

Higher Education-Class X - CBSE

Board examinations percentage: 89%

RELEVANT PROJECTS

Wholesale Medicine Management System

Jan – July 2024

- Developed an **e-commerce website** to help users sell and buy medicines.
- Features include CRUD Operations, Authorization, Authentication, and a **transaction** page.
- Technologies: HTML, CSS, JavaScript, Tailwind CSS, React.js, Node.js, Express, MongoDB, JWT, Local Storage

Job Recommendation System – Data Science

Apr - June 2024

- Made a **job recommendation web application** that extracts data from resumes and recommended jobs.
- Classification methods** and **similarity measures** were used to find similarities between job descriptions and biodata.
- Presented data and recommendations in **graphs** to provide user-friendly insights.
- Technologies – NLP, Data Analytics, Python, Web Scraping.

Codeforces Submission Tracker

Feb 2024 - Present

- Developed a **React web application** that helps users find friends' coding submissions of a question.
- Codeforces API** is used to fetch users' friends using **Axios** Library (Node.js)
- Currently converting the web app into a Chrome extension, which will provide this functionality on the Codeforces Website.
- Technologies: React, Node.js, Express, Tailwind, Codeforces API, hashing algorithms (SHA), and Chrome extension development.

Connection Manager

Dec 23 – Jan 2024

- Developed a C++ application that allows users to register, make, or remove friends and find common nodes between them and many other features.
- Used **graph data structure** and algorithms like **Dijkstra** and **Prims** to achieve desired features.
- Developed structures for users and the connection between them for easier and efficient management.
- Technologies: C++, File management, Data Structures & Algorithm.

CODING ACTIVITY

- Codeforces Rating – **1788 [Expert]**, India Rank - 448 (**top 0.5%**) [ID: akhil]
- Leetcode Rating – **2190 [Guardian]**, among the **top 1%** of all the registered accounts. [ID: akh26]

TECHNICAL SKILLS

Programming Languages Proficient in: C++, C, Python | Familiar with: JavaScript, Java

Development HTML, CSS, JavaScript, Git, Bootstrap, Tailwind CSS, React, Node.js, SQL, MongoDB, Express.js, Web Scraping, Web Automation.