

# Mohamed Shafee M

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## Education

Chennai Institute of Technology (CIT), Chennai, India

CGPA:8.79

Bachelor of Engineering in *Computer Science and Engineering*

2023-2027

**Technical Courses:** Data Structures, Algorithms, Database Management Systems, Operating Systems, Computer Networks, Programming in C++, Intermediate of Python Programming, Basics of Artificial Intelligence and Machine Learning.

## Technical Skills

- **Programming Languages:** Python, C++, JavaScript (Intermediate in both frontend and backend development).
- **Web Development:** React.js, Node.js, Express.js, HTML, CSS, Tailwind CSS, REST and GraphQL APIs.
- **Database:** MySQL, MongoDB
- **Core CS Concepts:** Data Structures & Algorithms, Competitive Programming, Operating Systems, Computer Networks.

## Competitive Programming

**Leet Code:** 🏆 Secured maximum rating of **1651** at the top **17.08%** globally and solved **600+** problems.

**Code Chef:** 🏆 Secured a maximum rating of **1438** with 2 star rating.

**Code Forces:** 🏆 Maximum rating of **971** (Newbie).

## Professional Experience

**SAP Developer Intern, Salcomp Technologies pvt:**

Chennai/Sriperumbudur | Nov2024 – Dec2024

- Gained hands on experience with **SAP**, understanding its integration across finance, supply chain, and HR processes in enterprise workflows.
- Analyzed MES data streams to optimize production monitoring workflows, enabling a 15% reduction in response time to critical system alerts, improving overall manufacturing efficiency by 8% with actionable insights.
- Observed the impact of enterprise systems and real-time data on optimizing manufacturing workflows and improving operational efficiency.
- Understood the role of data-driven strategies and integrated enterprise systems in improving manufacturing productivity and decision-making.
- **Tech Stack:** SAP, MES, HRIS, SQL, Excel.

## Projects

**CPAI – Unified Competitive Programming Platform with AI – Project Link**

**MAY-2025**

- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Python, REST and GraphQL APIs.
- Developed a full-stack platform that integrates with LeetCode, Codeforces, and CodeChef to track user performance, ratings, contest history, upcoming contest and rating prediction.
- Implemented AI-driven recommendations to suggest topic-wise problems based on user weaknesses and contest trends.
- Built a hybrid ML model using TF-IDF and SentenceTransformers to recommend unsolved LeetCode problems based on solved history, evaluated with classification metrics.
- Designed a classroom dashboard to display aggregate CP metrics for students, aiding instructors in monitoring coding progress.
- Automated data fetching using web scraping and public APIs, with real-time visualizations of stats and performance analytics.

**AI-Based Question Generator**

**MAR-2025**

- **Tech Stack:** Python, spaCy, NLTK, Transformers, PyMuPDF
- Developed an AI-powered tool to extract content from academic PDFs and generate long-answer questions using a blend of rule-based logic and transformer models.
- Implemented custom keyword extraction using POS tagging, TF-IDF, and NER to identify key concepts.
- Integrated a feedback loop to refine question quality and improve contextual accuracy over iterations.
- Designed for batch processing to help educators quickly convert documents into evaluative material.

## **Certificates**

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- **Cloud Computing** (NPTEL, NOV 2024)
- **Data Structures & Algorithms** (Coursera, Sep 2024).
- **Google Android Developer Virtual internship, Zscaler(Zero Trust Cloud Security)** (EduSkills, JAN 2025).
- **Introduction to Network Essentials** (Cisco, Jun 2024).
- **Cybersecurity Essentials** (Cisco, Sep 2024).