Maneesh Kumar

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Sonipat, Haryana, India

EDUCATION

Indian Institute of Information Technology, Sonepat	Sonipat, Haryana
*Bachelor of Technology (B.Tech) in Information Technology (**3rd Year Student**)*	*Nov. 2022 – May 2026*
CGPA: 8.2	

EXPERIENCE

Internship Studio	Mar 2024 - Apr 2024
C++ Developer Intern	*Remote*

- I applied advanced algorithms in C++ to enhance code performance, optimizing execution for complex tasks.
- Engineered an interactive console interface for the Employee Management System, reducing record retrieval time from over 10 seconds to under 2 seconds through optimized algorithms.
- Designed file-handling techniques within the application architecture that supported seamless integration of over 1,000 employee profiles while ensuring secure access controls were implemented throughout all functionalities.

PROJECTS

Real-Time Data Processing System for Weather Monitoring | Link   July 2024 – Present
- ∗ Designed and Authored a full-stack Weather Monitoring System, integrating the OpenWeatherMap API to process data, achieving a 99% improvement in real-time alert accuracy and daily summary calculations.
- ∗ **Tech Stack**: React.js, Vite, Tailwind CSS, Database, Chart.js, React-Chart.js-2, and React Context API.

Rule Engine with Abstract Syntax Tree (AST) | Link   Sep 2024 – Present
- ∗ Developed a three-tier rule engine using an Abstract Syntax Tree (AST) to determine user eligibility, enhancing rule processing efficiency and adaptability by 95% for complex attribute-based criteria
- ∗ **Tech Stack**: Python, Flask, SQLAlchemy, SQLite/PostgreSQL, Postman/Curl, JSON, Git, Venv.

Employee Management System using C++ | Link   Aug 2024 – Present
- ∗ Created robust functionality within the C++ environment for comprehensive employee record management tasks; streamlined processes achieved significant reductions in manual entry time by over two hours per week.
- ∗ **Tech Stack**: C++, File Handling, GitHub Data Analysis

TECHNICAL SKILLS

Languages: C/C++, Java, Python SQL (MySQL), JavaScript, HTML/CSS
Frameworks: React.js, Tailwind CSS, Node.js, Flask, Rest API
Developer Tools: VS Code, Visual Studio, Git/GitHub, Unix/Linux Environments
Databases: MySQL, NoSQL, MongoDB
Academic Skills: Database Management System(**DBMS**), Operating System(**O.S**), Computer Networks(**C.N**), Mathematics, Computer Science Fundamentals, SDLC
Key Skills: Data Structure and Algorithms (**DSA**), Object-Oriented Programming and using C++ (**OOP**)
Soft Skills: Problem Solving, Quick Learner, Presentation Skills Communication Skills, Teamwork Experience, Adaptability, Team Leadership, Programming Proficiency

CERTIFICATIONS / ACHIEVEMENTS

- ∗ **LeetCode Badges**: Earned the 50-day badge 2024, 100-day badge 2024, and SQL 50-badge for consistent problem solving and proficiency.
- ∗ Solved over **500 Data Structures and Algorithms problems** across competitive platforms like LeetCode, GeeksforGeeks, and Coding Ninjas.
- ∗ **AWS Academy Graduate** - AWS Academy Cloud Foundations Issued by Amazon   July 2024 – Present Web Services Training and Certification | **Link**

CODING PROFILES

1. **LeetCode**   2. **Coding Ninjas**   3. **GeeksforGeeks (GfG)**   4. **CodeChef**