RAHUL KUMAR

New Delhi

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EDUCATION

National Institute Of Technology, Karnataka | **CGPA: 9.26**
Master of Computer Applications | *Mangaluru, India*

Shivaji College, University Of Delhi | **CGPA: 8.79**
B.Sc (Hons.) Physics | *New Delhi, India*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- DBMS
- Object Oriented Programming
- Web Development
- Machine Learning

PROJECTS

MathPoint ⧉ | Node.js, MongoDB, Express.js, JWT, HTML/CSS **11/2024 - 12/2024**

- Created a web platform where teachers can create math tests and students can take them online with real-time scoring and leaderboards.
- Built secure user authentication system using JWT tokens and developed RESTful APIs with Express.js and MongoDB database.
- Github Link

Automated Sudoku Solver ⧉ | Python, PyAutoGUI, Backtracking Algorithm **07/2024**

- Developed a Python program that automatically solves any Sudoku puzzle using recursive backtracking algorithm and fills the solution directly into the game.
- Used PyAutoGUI library to control mouse and keyboard to interact with Sudoku applications, making it solve puzzles without manual input.
- Github Link

AI-Powered Data Analyst App ⧉| Streamlit, Pandas, DuckDB, Gemini 1.5 Flash **05/2025**

- Built a conversational data analysis platform that converts natural language questions into SQL queries using Gemini 1.5 Flash, enabling non-technical users to analyze complex datasets instantly.
- Engineered high-performance data pipeline with DuckDB and automated preprocessing that handles 10K+ row CSV/Excel files with 3x faster query execution than traditional methods.
- GitHub Repo

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, SQL, NoSQL, HTML, CSS
Developer Tools: VS Code, Intellij Idea Ultimate
Technologies/Frameworks: GitHub, ReactJS, NodeJS, ExpressJS, Git, Mongo

CERTIFICATIONS

- **The Complete SQL Bootcamp - Jose Portilla, Pierian Training**
- **Statistics For Machine Learning - GreatLearning**

CODING PROFILE

- **Secured AIR 76 in NIMCET among approximately 25,000 students.**
- **Solved 290+ problems on Codeforces.**
- **Solved 800+ problems on LeetCode.**
- **Solved 200+ problems on GeeksforGeeks (GFG).**
- **Earned the Annual Badge 2024 and 365 Days Coding Badge on LeetCode.**