

RITESH KUMAR

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Education

International Institute of Information Technology (IIIT) Naya Raipur Dec '21 – 2025 (expected)
Computer Science and Engineering (CSE) CGPA: **7.1/10**

D P S I Garhan Hathouri Sanathi Muzzaffarpur Bihar 2020
Percentage: 69%

Holy Mission School Laheriasarai Darbhanga Bihar 2018
Percentage: 85%

Experience

Subject Matter Expert - Computer Science Mar '23 - Jul '23
Unacademy

- Delivering comprehensive explanations and insights on diverse Computer Science topics, including Operating Systems, Database Management Systems, and Cryptography.
- Responding to student queries and providing detailed explanations to ensure a thorough understanding of complex concepts.
- Collaborating with the content development team to create engaging and effective learning materials for a wide range of Computer Science subjects.

Machine Learning Intern Dec '23 - Jan '24
Mentorness

- Engaging in hands-on machine learning projects and applying advanced algorithms to address real-world challenges.
- Collaborating closely with the team to develop and implement machine learning models for various applications.
- Contributing to the advancement of machine learning solutions within the company, actively participating in model development and optimization.

Projects

Expense Tracker Project | *React, Node.js, Postman MongoDB, Express* Dec '23 - Jan '24

- Full-stack web app with React and Node.js for managing income/expenses.
- Integrated Postman API and MongoDB for data storage and user authentication.
- Utilized Celery and Redis for efficient asynchronous task processing.

Speech to Sign Language Project | *Python, Flask, JS API, Data Cleaning* Mar '23 - Jul '23

- System enabling speech-to-sign language communication using Python and Flask.
- Implemented JS API for data processing and enhanced accuracy with data cleaning.
- User-friendly interface for inputting sentences and receiving sign language gifs.

Path Finder Algorithm Visualizer | *HTML, CSS, JS, BFS, DFS, Dijkstra* Oct '23 - Dec '23

- Web app visualizing path finder algorithms using HTML, CSS, and JavaScript.
- Implemented **BFS, DFS, and Dijkstra** for optimal route finding.
- User-friendly interface for inputting starting/ending points with algorithmic progress visualization.

Technical Skills

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS,
Frameworks/Libraries: React, Node.js, , FastAPI, Pandas, NumPy, Matplotlib
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Achievements

- **Amazon ML Summer School.**
- Rank -1 in the IIITNR Coding Competition
- Solved 500+ Problems on different Coding Platforms
 - * Codeforces: Specialist at Codeforces
 - * Codechef: 3 star at Codechef