



# Shivam Kumar Singh

Roll No.: 210150022

B.Tech - Data Science and Artificial

Intelligence Engineering

Minor in Computer Science and Engineering

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## EDUCATION

| Degree/Certificate | Institute/Board                          | CGPA/Percentage | Year         |
|--------------------|--|-----------------|--------------|
| B.Tech. Major      | Indian Institute of Technology, Guwahati | 8.85 (Current)  | 2021-Present |
| B.Tech. Minor      | Indian Institute of Technology, Guwahati | 9.0 (Current)   | 2021-Present |
| Senior Secondary   | CBSE Board                               | 91.6%           | 2020         |
| Secondary          | CBSE Board                               | 93.8%           | 2018         |

## PROJECTS

### • Department Information Portal

Website link

Github

- Technologies Used - HTML, CSS, PHP, SQL
- Provides Information about Department, Professors, Students, Courses and Book availability
- It includes 7 pages - About, Registration, Login, New Entry for Faculty, Search for Faculty, Courses Department Instructor
- User can register by providing details & login Credentials and can use that to login
- Crosscheck and suggest what's missing to be a strong password and Check login Credentials
- User can add new faculty in Department and search among existing faculties
- User can search for all students enrolled in a particular course, Department which offer a particular course and all instructors in a particular Department
- User can search for book availability and get information about who issued it

### • Weather Website(Group Project)

Website link

Github

- Technologies Used - HTML, CSS, JavaScript, API
- Take Location access from user and provide weather information based on location(latitude, longitude) Or User can search location by city to get weather information of any particular city (through API)
- Weather Information contains parameters like Temperature, Weather Description, Humidity, Sunrise/Sunset time, Wind Speed, Visibility, Feels like
- Background Image will change according to Location (through API)

## TECHNICAL SKILLS

- **Programming:** Python, C/C++, JavaScript, PHP
- **Web Development:** HTML, CSS, Bootstrap, Node.js, React
- **Database Management:** SQL, MongoDB
- **Data Science:** R, Pandas, Matplotlib, Numpy, Scipy
- **Miscellaneous:** Express.js, Mongoose, Socket.io, \*Latex
- **Operating System:** Windows, MacOS, Linux

\* Elementary proficiency

## KEY COURSES TAKEN

- **Computer Science:** Introduction to C, Automata Theory, Data Structure and Algorithm(Theory + Lab + Minor), Database Management System(Theory + Lab)
- **Data Science and Artificial Intelligence:** Introduction to Data Science, Statistical Foundation for Data Science, Introduction to Artificial Intelligence, Python Programming Laboratory
- **Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes

## ACHIEVEMENTS

- **Jee Advanced Rank**, 2971 out of 2.5 Lakhs candidates 2021
- **Jee Mains Rank**, 4299 out of 12.5 Lakhs candidates 2021
- **Codeforces**, Highest Rating 1153
- **Codechef**, Highest Rating 1692 (Division 2)
- **HackerRank**, 5 star on Problem Solving
- **Branch Change**, from ECE to DSAI