



Shivam Kumar Singh

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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, Bootstrap, 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