



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

- **Departmental Research Portal(Group Project)** Website link
Github
 - Technologies Used -HTML, CSS, Bootstrap, PHP, SQL, JavaScript
 - Provides all Informations about Research Papers, Research Domain related to Professors
 - User can search for any Research Paper, Research Domain, Professor or Year, will get filtered result plots - No. of Research Paper per Professor & Domain and tabular - Paper Title, Professor, Publisher, Conference, Authors, etc.
 - An analysis page contains plots about the count of Research Paper & Citations per Professor & Domain
- **Department Information Portal** Website link
Github
 - Technologies Used - HTML, CSS, Bootstrap, PHP, SQL
 - Provides Information about Department, Professors, Students, Courses and Book availability
 - User can register by providing details & login Credentials and can use that to login, add new faculty in Department & search among existing faculties, search for all students enrolled in a particular course, Department which offer a particular course & all instructors in a particular Department and search for book availability & 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, React, Node.js, Next.js
- **Database Management:** SQL, MongoDB
- **Data Science:** R, Pandas, Matplotlib, Numpy, Scipy
- **Miscellaneous:** Express.js, Bootstrap, Tailwind CSS, 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