Shivam Kumar Singh

Roll No.: 210150022
B.Tech - Data Science and Artificial Intelligence
Minor in Computer Science and Engineering
Indian Institute Of Technology, Guwahati

+91-6203011287
shivam.ks@iitg.ac.in
kumarsinghshivam.200219@gmail.com
Github | Website
linkedin.com/in/shivam-kumar-singh-846a12223

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.90 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	9.5 (Current)	2021-Present
Senior Secondary	CBSE Board	91.6%	2020
Secondary	CBSE Board	93.8%	2018

EXPERIENCE

- **MFSDSAI** *April 2023 - Current*
  UG representatives in Web Developement, under Prof. Neeraj Kumar Sharma — IIT Guwahati
  – Contributed few features, improved Codebase & assist in maintaining our School Website by working together with Web Team.

PROJECTS

- **MERN-Chat-App (Group Project)** *June 2023 - July 2023*
  Coding Club, IIT Guwahati — Github | Website
  – Developed personal/group chat with real time messaging using **Socket.io** & store it in **MongoDB** for efficient storage.
  – Build fully responsive and interactive UI using **React** and **Tailwind** & used **Express.js** to manage servers and routes.

- **Departmental Research Portal (Group Project)** *March 2023 - May 2023*
  DBMS Course Project, under Prof. Debanga Raj Neog — Github | Website
  – Used **PHP** in backend, **MySQL** as a database & Build a responsive UI using **Bootstrap**.
  – User can search for any Research Paper, Research Domain, Professor or Year, will get filtered tabular result containing Paper Title, Professor, Publisher, Conference, etc. & plot result - No. of Research Paper per Professor and Domain.
  – An analysis page contains plots using **CanvasJS** about the count of Research Paper & Citations per Professor & Domain.

- **Departmental Information Portal** *Jan 2023 - March 2023*
  Technologies Used - HTML, CSS, Bootstrap, PHP, MySQL — Github | Website
  – Provides Information about Department, Professors, Students, Courses and Book availability containing raw data.
  – User authentication, User can add/search faculty in Department, search all students enrolled in a particular course, Department offering a particular course and search for book availability & get information about who issued it.

- **Weather Website (Group Project)** *Dec 2022*
  Technologies Used - HTML, CSS, JavaScript,OpenWeather API — Github | Website
  – Take Location access to provide weather information Or User can search weather information of any particular city.
  – 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**: C/C++, Python, JavaScript, PHP, R
- **Web Developement**: HTML, CSS, React, Node.js
- **Database Management**: MySQL, MongoDB
- **Data Science**: Pandas, Matplotlib, Numpy, Scipy
- **Miscellaneous**: Next.js, Express.js, Bootstrap, Tailwind, Mongoose, Socket.io
- **Operating System**: Windows, MacOS*, Linux* ** Elementary proficiency*

KEY COURSES TAKEN

- **Computer Science**: Introduction to C, Automata Theory, Data Structure and Algorithm(Theory + Lab), 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

- **Branch Change**, Promoted to DSAI department for **academic excellence** in 1st year of UG *2022*
- **Global Rank 108**,in Codechef contest with Highest Rating - **1692** *2022*
- **Jee Advanced Rank**, 2971 out of 2.5 Lakhs candidates *2021*
- **Jee Mains Rank**, 4299 out of 12.5 Lakhs candidates *2021*