KRISHNA KAUSHIK

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Education

Indian Institute of Information Technology Bhagalpur **Nov 2022 – July 2026**

Bachelor of Technology in Electronics and Communication Engineering *Bhagalpur, Bihar*

Grade: *7.5 (latest), 7.0 (overall)*

Skills

Languages: C++, Python, JavaScript, CSS, HTML, PostgreSQL.

Tools & Frameworks: Bootstrap, ReactJS, NodeJS, Git, Github, Jupyter-Notebook.

CS Fundamentals: Data structures, Algorithms, Object Oriented Programming, DBMS, Operating System, RestAPI, Data Analytics, AI/ML.

Projects

A Personal Portfolio | *HTML, CSS, JavaScript, PostgreSQL* | **May 2024 - Jul 2024**

- Designed and Developed a comprehensive **one stop platform** to showcase my work.
- Developed a Portfolio featuring a **Dashboard, Skills section, Projects showcase, Education and Experience.**

Medical Inventory App | ***HTML, JavaScript, CSS, NodeJS, PostgreSQL*** |

- Developed an application for efficiently storing and managing medicine-related information.
- Designed and implemented a **Database** to track medicines, reducing management time by 30%
- Developed interactive components including a login-portal, Dashboard, and statistics with a **modern user interface.**

Solar-Radiation Predicting Software | ***Python, Machine-Learning, Data-Analysis, Excel, Jupyter-Notebook*** |

- Developed software to predict solar radiation for a given location using historical data.
- **built a Machine-Learning Algorithm for this Predicting Software.** looking forward to implement this software with web-development for broader accessibility.
- Utilized Data-Analysis to clean the raw data, visualized it graphically and implemented machine learning algorithms like XGBoost for prediction.**Applied data science principles throughout the process.**

A path Finding visualizer | ***Data Structures, Algorithms, Python, Jupyter-Notebook*** |

- Developed a project on Data Structures and Algorithms (DSA), implementing Dijkstra and A* algorithms for graph traversal.
- Created and **Implemented a 2-D visualization of Dijkstra and A*** made a 64x64 grid allowing users to select start and end points, place obstacles, and find the optimal path.
- **i**mplemented this algorithms in Robo-Mouse hardware project to compute shortest path possible.

Achievements

- **Participated in Smart India Internal Hackathon:** where I developed a platform enabling investors to invest in startups.
- **Solved 250+ Coding Questions:** Showed proficiency by solving over 200+ questions on **LeetCode**, 150+ on and rest on others such as GeeksForGeeks
- **Achieved 2 Star on CodeChef:** total rating of 1477 points.

Extracurricular

- **Selected as Team Lead in Robotics And Electronics Club: working as team lead in IIIT-Bhagalpur ROBOTIC club organized events and worked on many hardware projects.**
- **Contributed in Socity Acadamia Internship** as a part of 5 member college team, enhanced UI/UX skills and Data Analytics skills to enhance the Prototype.