RAHUL KUMAR CHAUDHARY

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N-rahul-35 (Rahul Kumar) · GitHub

Education

Indian Institute of Engineering Science and Technology, Shibpur **2021 – 2025**
Bachelors of Technology in the branch of Information Technology *CGPA: 8.09 (sixth semester)*

A.N COLLEGE, Patna **2018 – 2020**
Higher Secondary Education *Percentage: 77*
Bihar Secondary Education Board, Patna

East and West High School Bela, Patna **2018**
Secondary Education *Percentage: 85*
Central Board of Secondary Education, New Delhi

Technical Skills

Languages(code): C, C++, Python
Web Technologies: HTML, CSS, JavaScript, React
Software & Tools: VS Code, GitHub, PowerBI, Anaconda (Jupyter Notebook)
DBMS: Relational Database on SQL
Operating System: Windows, Linux
Interest: Web development, Data Science, and Machine Learning
Languages: English, Hindi

Work Experience

6 weeks Internship | *Advanced Data Analytics* **Feb 2024 to April 2024**
EY Global Delivery Services led internship in collaboration with AICTE under the **Next Gen Employability Program 2023 24**. Through this internship, I gained hands-on experience in data analysis and visualization, transforming raw accident data into dashboards.

8 Weeks Summer Internship Programs - Celebal Technologies | *Data Science* **May 2024 to Jul 2024**
Completed a data science internship at Celebal Technologies, gaining hands-on experience in data analysis, machine learning, and advanced data analytics tools.

7 weeks Summer Internship Program - NIT, Patna | *Machine Learning, Computer vision* **Jun. 2024 to Jul. 2024**
Mentored by Dr. Rajib Ghosh, assistant professor, Dept. of Computer Science Engineering
Completed a summer internship project on object detection in underwater images, applying Faster R-CNN and YOLO models to achieve high accuracy in challenging visual conditions Utilized Faster R-CNN and YOLO models to enhance object detection capabilities in underwater imagery, focusing on improving model robustness and precision.

Projects

Amazon Clone | *HTML, CSS Amazon_clone*
* This is a simple web development project using HTML CSS.
* Through this project, I gained knowledge of all HTML CSS concepts.

Movie App | *React, Redux, JavaScript, HTML, CSS Movie_App*
* Designed and developed a dynamic web application using React and Redux, allowing users to search for movies and create a personalized list of favorite films, showcasing strong proficiency in front-end development and state management.

Street Light Fault Prediction | *Flask, Python, HTML, CSS, Machine Learning Street_light_fault_prediction*

* Implemented a machine learning model using Python and TensorFlow to predict street light faults. Achieved an accuracy of 85 percent in fault detection, highlighting the effectiveness of the approach. Overcame challenges in data preprocessing and model optimization, leading to valuable insights for future improvements. Added a demo video of this project in GitHub link.

Road Accident Analysis | *Power BI Road Accident Analysis*

* Through the project on road accident analysis using Power BI, I gained hands-on experience in data analysis and visualization, transforming raw accident data into actionable insights. This involved proficiency in Power BI tools and techniques, as well as data integration from diverse sources for comprehensive analysis. . Added a demo video of this project in GitHub link.

Portfolio | *React Portfolio*

* Developed a dynamic and responsive portfolio website using React, showcasing my projects and skills in web development and design.Utilized React to create an interactive portfolio that highlights my expertise in modern web technologies, featuring a clean and engaging user interface.

Object Detection in Underwater Images | *Relevant Skills or Tools Project Link*

* In this project, I developed object detection models for underwater environments, achieving 0.7529 mean avearge precision on the URPC dataset. Utilizing Faster R-CNN and YOLO models, along with image enhancement techniques, the project improved detection accuracy under challenging underwater conditions, aiding applications in marine biology and underwater exploration.