

Mannu Kumar Jha

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EDUCATION

Jodhpur Institute of Engineering and Technology, Rajasthan <i>Bachelor of Technology in Computer Science</i>	CGPA: 8.76 2022 – 2026
Purnia College Purnia, Bihar <i>12th in Science</i>	78.8 Percent 2020 – 2022
High School Dhadha, Supaul, Bihar <i>10th</i>	85.2 Percent 2020

EXPERIENCE

JIET Internship on Web Technology: DSA & DAA Virtual Lab <i>JIET</i>	May 2024 – Aug 2024
<ul style="list-style-type: none">Successfully completed 4-month internship focused on Web technologies under JIET faculty guidance.Developed and presented a virtual project demonstrating key concepts of Data Structures and Algorithms (DSA) and Design and Analysis of Algorithms (DAA), applying theoretical knowledge to practical problem-solving.	
Python Trainee and Internship <i>Zeetron Network Private Limited</i>	June 2024 – July 2024 <i>Jaipur</i>
<ul style="list-style-type: none">Developed a Loan Management System using Python to manage customer data, track loan disbursements, repayments, and generate financial reports.Gained hands-on experience in Python by developing projects, solving real-world problems, and enhancing coding proficiency in data handling, logic building, and automation.	
Data Engineer Trainee <i>Regex Software</i>	May 2023 – July 2024 <i>Jaipur</i>
<ul style="list-style-type: none">Developed a Bitcoin price prediction application using machine learning algorithms to forecast prices based on historical data and market trends.” Technologies: Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, XGBoost.	

PROJECTS

DSA and DAA virtual Lab	may 2024 – Dec 2024
<ul style="list-style-type: none">Engineered an interactive and dynamic virtual lab for Data Structures and Algorithms, transforming complex concepts into engaging, user-friendly experiences using cutting-edge web technologies.” Technologies: HTML, CSS, JavaScript	
COVID-19 Data Analysis	Nov 2024 – Dec 2024
<ul style="list-style-type: none">Engineered a dynamic data pipeline to unravel the evolving pandemic narrative — capturing patterns in infections, sentiment shifts, economic tremors, and forecasting future trajectories with visual storytelling and real-time analytics.” Technologies: NiFi, PySpark, Hive, HDFS, Kafka, Airflow, Tableau, AWS QuickSight.	
WeatherForecasting	Dec 2024 – Jan 2025
<ul style="list-style-type: none">Developed a Flask-based weather forecasting application that retrieves real-time weather data using the WeatherAPI. Implemented data extraction, transformation, and visualization techniques to display comprehensive weather insights including temperature, humidity, wind speed, and atmospheric conditions. Enhanced user experience through dynamic data presentation and error handling for invalid inputs. Technologies: Flask, REST API, JSON, HTML/CSS, RapidAPI, Requests Library, FPDF for PDF generation.	

SKILLS

Languages: Python, C, SQL, HTML, CSS, JS, Java.

Frameworks: Python Flask, Apache Hadoop, Spark, Airflow, kafka, pySpark.

Data Engineering: Numpy, Pandas, Sklearn, Matplotlib, Sqoop.

Others: Git, AWS, Machine Learning, VS Code, Linux.

Soft Skills: Problem-Solving, Teamwork.

ACHIEVEMENTS

Achieved 5-star rating in Python on HackerRank

Solved 200+ DSA problems on LeetCode

CERTIFICATIONS

Web Development - JIET

Big Data - Big data University

Introduction To AWS Cloud - AWS