

Dhanu Pratap Jakhar

Third Year Undergraduate
Department of Computer Science and Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	Bachelor of Technology	Rajiv Gandhi Institute of Petroleum Technology, Jais	6.85/10
2019	CBSE(XII)	Shaheed Bhagat Singh Convent School, Jaipur	77%

Scholastic Achievements

- Qualified **JEE Advanced 2020** among the 1.5 Lakh candidates
- Qualified **JEE Mains 2020** among 1.5 million candidates

Key Projects

- **Anomaly Detection in Multivarent Time Series, Self Project** (July'22 - Ongoing)
 - Investigated the efficacy of employing **multi-task learning** to construct a multivariate time-series anomaly detection model.
 - Assessed the model by applying it to three datasets (**two public aeronautical datasets** and a **server machine dataset**) and compared to three baselines (i.e. **two reconstruction based models** and **one forecasting model**).
 - Suggested model outperformed all baselines in F1-score.
- **Cryptocurrencies and Trading Strategy, Self Project** (June'22 - July'22)
dhaupratap|Time-Series-Analysis
 - **Modelled the Bitcoin Price Data** of last **3 years** using Box-Jenkins algorithm, augmented Dickey-Fuller stationarity test and PACF interpolation techniques
 - Performed **Residual analysis** to find the best fit model and achieved predictive forecasting for the next few days
 - Checked coorelation of BTC with cryptos like ETH, ZEC
 - Implemented **Turtle trading strategy** on 3 month Bitcoin data
- **Hospital Bed Booking Website, Self Project** (March'22- May'22)
 - Designed a hospital bed booking website keeping recent pandemic in mind
 - Studied about SQL, PHP, XAMPP to host a proper working site to maintain data properly
 - Learnt HTML, CSS, JavaScript to understand and implement my knowledge to design and develop web-page with low latency.
- **Manga informative Website, Self Project** (March'22 - April'22)
 - Studied about API and JavaScript functions for fetching data from websites.
 - Learnt HTML, CSS, JavaScript to understand and implement my knowledge to design and develop web-page with low latency.

Position of Responsibility

- **Campus Ambassador, Antaragni, IIT Kanpur**
 - Built a network of students and teachers in college using offline and online strategies
 - Became the primary point of contact between **Antaragni** and student community of **RGIPT, Jais**
 - Developed campus-specific outreach programmes and campaigns to increase participation

Technical Skills

- **Programming Languages:** C, C++, Python, LaTeX, MATLAB, R
- **Libraries and Frameworks:** TensorFlow, NumPy, Pytorch, Matplotlib, Pandas, MySQL
- **Programming Skills:** DSA, Web DEvelopment, Web Scrapping

Soft Skills

- Communication, Hard Working, Decision-Making, Self-Motivated, Teamwork and Collaboration , Quick Learner, Situation Awareness

Extra-Curricular Activities

- State Level Martial Artist
- Vanquisher in E-sport(warfire), Antragni IIT-Kanpur