Sandeep Kumar

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Education

CHRIST (Deemed to be University), Lavasa Campus   **2023 − 2025**
Master of Science in Data Science   *Pune, Maharashtra*

Patna Science College, Patna   **2020 − 2023**
Bachelor of Science in Statistics   *Patna, Bihar*

Army School Danapur Cantt   **2017 − 2019**
12th Grade (CBSE)   *Danapur, Bihar*

Army School Danapur Cantt   **2016 − 2017**
10th Grade (CBSE)   *Danapur, Bihar*

Relevant Coursework

- Data Structures and Algorithms
- Python Programming
- Machine Learning
- Deep Learning
- Django Web Development
- Java Programming
- Probability Distributions
- Graph Theory
- Time Series Analysis
- Natural Language Processing
- R Programming

Projects

Potato and Tomato Plant Disease Detection (Ongoing)   **2023 − 2025**

- Developing a machine learning model using TensorFlow to detect diseases in potato and tomato plants.
- Collecting and analyzing a dataset of plant leaf images for training a Convolutional Neural Network (CNN).
- Integrating the model into a Django-based web platform, allowing users to upload images for disease prediction.

Credit Risk Management System   **AI/ML Hackathon 1.0, Parul University**

- Developed a Django-based platform enabling users to register, log in, check loan eligibility, and access gold price predictions.
- Implemented models such as Decision Tree, Linear Regression, and XGBoost for managing credit risk.
- Project organized by myOnsite Healthcare in collaboration with Parul University, supported by MedinovAI and JBT Hospitality.

Contribution to Let Us Dream Triennial International Conference 2023   **November 2023**

- Participated in the conference at Christ University, Bangalore, held from November 3-5, 2023.
- Analyzed feedback data as part of a live project at CHRIST Infotech to derive insights for future community initiatives.

Food Recipe Website   **August 2023**

- Developed a fully functional website using Django, including user authentication and CRUD operations.
- Enabled seamless interaction by allowing users to create, read, update, and delete content related to recipes.

Technical Skills

Languages: Python, R
Machine Learning: Support Vector Machines (SVM), Decision Trees, Convolutional Neural Networks (CNN)
Web Development: Django framework, User Authentication, CRUD Operations
Database Knowledge: SQL
Developer Tools: VS Code

Leadership / Extracurricular

Geo Innovation Challenge   **July 29-31, 2024**
Sophia Girls' College (Autonomous), Ajmer, Rajasthan, India

- Focused on geospatial technologies to empower women.
- Collaborated with the Department of Geography and DST-NGP, Govt. of India.
- Contributed to workshops and sessions, driving innovations in geospatial technologies.

Environmental Projects   **2021 − 2023**

- Contributed to environmental projects, applying statistical methods for sustainability insights.
- Participated in data-driven projects, enhancing expertise in experimental design and analysis.
- Organized workshops to foster a culture of learning and environmental awareness.