



Surabhi Pandey

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B.Sc. Hons. in Data Science and Artificial Intelligence
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Sc Hons.	Indian Institute of Technology, Guwahati	6.5 (Current)	2023-Present
Senior Secondary	CBSE Board	89.0%	2021
Secondary	CBSE Board	91.0%	2019

PROJECTS

- Stats Courtroom: Hypothesis Testing App** 2025
WebSite
Personal Project
– Developed an app for statistical testing (chi-square, t-test, correlation) with auto-generated reports.
– Enabled CSV upload and inline HTML output for user-friendly interaction.
- OCD Patient Data Visualization and Y-BOCS test** 2025
Website
Personal Project
– Built a static web app for Y-BOCS score testing and EDA of OCD patient datasets using matplotlib and seaborn.
– Visualized obsession/compulsion patterns, comorbidities, and symptom severity distributions.
- ManoSakhi - Mental Health ChatBot** 2025
Website
Self-driven Project
– Used Gemini API to create a chatbot which acts as a companion to you and gives intelligent and kind responses.
– Gradio gives it its UI, deployed on HuggingFace. Detects crisis keywords (like suicidal thoughts) and shares professional helpline support instantly.
- Mental Health Analysis** 2024
Self-driven Project
– Built ML classifiers to predict mental health conditions from survey data.
– Evaluated models with accuracy, F1-score and Accuracy score.
- Animal Image Classification** 2024
Personal Project
– Trained a TensorFlow-based deep learning model using transfer learning (MobileNet) to classify animal images.
– Applied data augmentation and performance tuning to enhance model generalization.
- Time Series Forecasting** 2024
Self-driven Project
– Forecasted temporal trends using ARIMA and Prophet models on real-world datasets.
– Compared model accuracy using cross-validation and diagnostic metrics.

KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Basic Calculus, Optimization, Probability & Statistics
- Core Courses:** Data Structure and Algorithm, Data Sciences & Data Visualization, Artificial Intelligence, RDBMS, Time Series Analysis

TECHNICAL SKILLS

- Languages:** Python, R, MySQL, HTML, CSS
- Libraries/Frameworks:** Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Flask
- Concepts:** Supervised/Unsupervised Learning, Deep Learning (CNN, LSTM), Time Series Forecasting, Model Evaluation
- Tools:** Jupyter, Google Colab, GitHub, VS Code

SOFT SKILLS

- Communication:** Clear articulation of technical ideas in writing and speech
- Analytical Thinking:** Strong problem-solving through data-driven approaches
- Collaboration:** Experience working in team-based projects and hackathons
- Creativity:** Built innovative apps for statistical testing and mental health
- Time Management:** Handled multiple self-driven projects

LANGUAGES SPOKEN

- English:** Fluent
- Hindi:** Fluent