

Surabhi Pandey

BSc (Hons.) Data Science and Artificial Intelligence, IIT Guwahati

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Career Objective

Aspiring data scientist and researcher with a strong foundation in machine learning, deep learning, data visualization, and time series analysis. Passionate about exploring the intersection of artificial intelligence and neuroscience to understand the brain through computational methods. Known for analytical thinking, communication, and leadership abilities.

Education

Indian Institute of Technology, Guwahati

BSc (Hons.) Data Science and Artificial Intelligence (2023 – 2027 Expected)

Relevant Courses: Machine Learning, Deep Learning, Statistics, Time Series Analysis, Data Structures, Data Visualization

Experience

HR Intern

Marse Technology — Jan 2025 to Feb 2025

- Conducted and led interviews, contributing to streamlining the recruitment pipeline.
 - Designed strategies to attract interns, enhancing engagement and outreach.
 - Acknowledged for performance and innovative ideas by senior management.
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Projects

Mental Health Analysis

- Developed ML models to predict mental health conditions using survey data. Evaluated models with accuracy and F1-score.

News Detection

- Built a fake news detection model leveraging NLP and ML techniques.

Cereal Dataset Analysis

- Performed exploratory data analysis on cereal nutrition data, visualized key factors.

Hate Crime Analysis

- Analysed hate crime data and visualized trends across regions using heatmaps and charts.

Time Series Forecasting

- Forecasted data trends using ARIMA and Prophet models with model validation.

Technical Skills

- **Languages:** Python, R, SQL
- **Libraries/Frameworks:** Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, Matplotlib, Seaborn
- **Concepts:** Supervised & Unsupervised Learning, Time Series Forecasting, Data Visualization, Model Evaluation
- **Tools:** Jupyter, Google Colab, Git, VS Code

Certifications

- Power BI Workshop – Office Master (2024)
 - TSolC Hackathon – IIT Guwahati
 - MyEquation Robotics Workshop – MyEquation
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Research Interests

- AI in brain science and neuroscience
 - Neural decoding, brain-computer interfaces, computational neuroscience
 - Mental health and cognitive modelling
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Languages

- English (Fluent)
 - Hindi (Fluent)
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