

# Darpan Banerjee

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Durgapur, West Bengal, India

## EDUCATION

### Sidho-Kanho-Birsha University

*Master of Science in Computer Science, Specialization: Machine Learning*

Purulia, West Bengal

Sep 2021 – Jul 2023

### Manbhum Mahavidyalaya

*Bachelor of Computer Science*

West Bengal

2018 – 2021

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, SQL, HTML, CSS

**Machine Learning & Data Science:** Scikit-Learn, Pandas, NumPy, Data Visualization, Statistical Analysis

**Data Analytics Tools:** Microsoft Power BI, Excel, Google Colab, Jupyter Notebook

**Web Development:** React JS, Bootstrap, Responsive Design, Front-End Development

**Databases:** SQL, Database Design and Querying

**Certifications:** Linear Algebra for ML, Applied Statistics, Mathematics for ML & Data Science, Data Analytics Foundations

## EXPERIENCE

### Assistant Lecturer

*ABS Academy of Science Technology and Management*

Mar 2025 – Present

Durgapur, West Bengal

- Deliver comprehensive instruction in Python programming and computer science fundamentals to undergraduate students
- Mentor students in data structures, algorithms, and software development best practices
- Develop curriculum materials and assessments to enhance student learning outcomes in technology courses

### Project Trainee

*ABS Academy*

Mar 2025 – Present

Durgapur, West Bengal

- Executed academic and industry-focused IT projects applying computer science and data analysis methodologies
- Collaborated with cross-functional teams to deliver technical solutions aligned with project requirements

## PROJECTS

### House Price Prediction - Machine Learning Project

Jul 2023

*M.Sc. Capstone Project | Python, Scikit-Learn, Pandas, Google Colab*

- Developed end-to-end machine learning pipeline for predicting residential property prices using regression algorithms
- Performed exploratory data analysis, feature engineering, and data visualization to identify key price determinants
- Implemented and evaluated multiple ML models (Linear Regression, Random Forest, XGBoost) achieving optimal accuracy
- Deployed interactive visualizations using Matplotlib and Seaborn to communicate insights effectively

### Responsive Web Development Portfolio

Ongoing

*Personal Projects | React JS, JavaScript, HTML, CSS, Bootstrap*

- Built responsive, user-centric web interfaces demonstrating modern front-end development practices
- Implemented component-based architecture using React JS for scalable and maintainable codebases
- Developed webpage clones showcasing proficiency in UI/UX design and cross-browser compatibility
- Portfolio available at: [github.com/Darpan2000-web/webpage\\_clone](https://github.com/Darpan2000-web/webpage_clone)

## ADDITIONAL INFORMATION

**Interests:** Data-driven decision making, predictive analytics, scalable web applications, UI/UX optimization

**Continuous Learning:** Completed specialized courses in Deep Learning mathematics and Python-based data analytics