

Darpan Banerjee

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Durgapur, West Bengal, India

EDUCATION

Sidho-Kanho-Birsha University <i>Master of Science in Computer Science, Specialization: Machine Learning</i>	Purulia, West Bengal <i>Sep 2021 – Jul 2023</i>
Manbhum Mahavidyalaya <i>Bachelor of Computer Science</i>	West Bengal <i>2018 – 2021</i>

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 <i>ABS Academy of Science Technology and Management</i>	Mar 2025 – Present <i>Durgapur, West Bengal</i>
<ul style="list-style-type: none">Deliver comprehensive instruction in Python programming and computer science fundamentals to undergraduate studentsMentor students in data structures, algorithms, and software development best practicesDevelop curriculum materials and assessments to enhance student learning outcomes in technology courses	
Project Trainee <i>ABS Academy</i>	Mar 2025 – Present <i>Durgapur, West Bengal</i>
<ul style="list-style-type: none">Executed academic and industry-focused IT projects applying computer science and data analysis methodologiesCollaborated with cross-functional teams to deliver technical solutions aligned with project requirements	

PROJECTS

House Price Prediction - Machine Learning Project <i>M.Sc. Capstone Project Python, Scikit-Learn, Pandas, Google Colab</i>	Jul 2023
<ul style="list-style-type: none">Developed end-to-end machine learning pipeline for predicting residential property prices using regression algorithmsPerformed exploratory data analysis, feature engineering, and data visualization to identify key price determinantsImplemented and evaluated multiple ML models (Linear Regression, Random Forest, XGBoost) achieving optimal accuracyDeployed interactive visualizations using Matplotlib and Seaborn to communicate insights effectively	
Responsive Web Development Portfolio <i>Personal Projects React JS, JavaScript, HTML, CSS, Bootstrap</i>	Ongoing
<ul style="list-style-type: none">Built responsive, user-centric web interfaces demonstrating modern front-end development practicesImplemented component-based architecture using React JS for scalable and maintainable codebasesDeveloped webpage clones showcasing proficiency in UI/UX design and cross-browser compatibilityPortfolio available at: 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