

# Biswajeet Ray

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## Project

### iPhone Website Clone | React.js, TypeScript, GSAP, Tailwind CSS

Jul 2025 - Aug 2025

- Designed and engineered a high-fidelity iPhone-inspired web experience using React.js, closely replicating Apple's minimalist design language and premium visual hierarchy.
- Implemented cinematic, scroll-driven animations and micro-interactions with GSAP timelines, delivering smooth and performance-optimized UI transitions.
- Built a fully responsive, component-driven frontend architecture to maintain consistent behavior across devices while optimizing rendering performance and user experience.

### Aivon – AI DSA Mentor Platform | Next.js, React, Tailwind CSS, TypeScript

Nov 2024 - Jan 2025

- Designed and developed Aivon, an AI-powered DSA mentoring platform that provides interactive problem-solving guidance, explanations, and learning paths for data structures and algorithms.
- Implemented modern UI patterns using Next.js App Router with optimized client-server component separation and dynamic routing.
- Built a scalable, component-driven frontend architecture with responsive dashboards, practice flows, and analytics views, emphasizing performance, usability, and learner engagement.

### Full ML Pipeline with Automated Retraining | Python, Machine Learning, Data Analysis

Jan 2024 - Mar 2024

- Engineered a comprehensive, production-grade ML pipeline encompassing orchestrated data ingestion, sophisticated feature engineering, model training, evaluation, and fully automated retraining cycles.
- Integrated MLflow for rigorous experiment governance and model registry, while instituting data-drift monitoring using Evidently AI to autonomously initiate retraining workflows.
- Containerized and operationalized models via Docker and FastAPI, enabling frictionless deployment, scalable versioning, and high-performance serving.

## Summer Training

### Board Infinity

Jun 2024 – Jul 2024

- Project Overview:** Developed a stack-based mathematical expression evaluator capable of processing infix expressions with multiple operators and parentheses.
- Formulated infix-to-postfix conversion and postfix evaluation using stack data structures.
- Created command-line tool supporting operator precedence, associativity, and nested parentheses for accurate computation.
- Outcome:** Achieved a reliable O(n) evaluation system demonstrating efficient use of stacks for parsing and computation.
- Tech Used:** Java, Stack data structures and Algorithm design

## Certificates

### IBM AI Engineering Professional Certificate - Coursera

Sep 2024 - Jan 2025

### Cloud Computing - NPTEL

Oct 2024 - Dec 2024

### GenAI for Everyone - Coursera

Feb 2024 - Mar 2024

### Prompt Engineering for ChatGPT - Coursera

Jan 2024 - Mar 2024

## Technical Skills

**Languages:** JavaScript, TypeScript, Python

**Frameworks:** React.js, Next.js, GSAP

**Tools:** Git, GitHub, Docker, Vercel, ESLint

**Skills:** Component-based UI Development, Responsive Design, API Integration, Data Structures & Algorithms

## Education

### Lovely Professional University

Punjab, India

Bachelor of Technology - Computer Science and Engineering; CGPA: 6.7

Aug 2022 - Jun 2026

### Zenith Lion School

Bargarh, Odisha

Senior Secondary (PCM); Percentage: 84%

Apr 2019 - Mar 2021

### DAV Public School

Brajrajnagar, Odisha

Secondary Education; Percentage: 90%

Apr 2008 - Mar 2019