

# SUJAY KUMAR GIRI

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## EDUCATION

### JIS University

Bachelor of Technology in Computer Science & Engineering – CGPA: 9.18/10.0

Kolkata, India

Aug 2022 – May 2026

### Sonarpur Vidyapith High School

Higher Secondary (XII) – 87.8% – Secondary (X) – 83.57%

West Bengal, India

2019 – 2022

## EXPERIENCE

### AI-ML Virtual Intern

Oct 2025 – Dec 2025

Google for Developers x EduSkills

Remote

- Completed 10-week structured ML internship covering end-to-end pipelines: data preprocessing, feature engineering, model training, and evaluation using scikit-learn and pandas
- Applied supervised learning algorithms (Linear/Logistic Regression, Decision Trees, Random Forests) to real-world datasets, achieving model accuracy improvements of 15-20% through hyperparameter tuning
- Strengthened Python proficiency and industry-aligned ML practices through hands-on projects solving classification and regression problems with 1000+ data points

## TECHNICAL PROJECTS

### FundPay | React, Node.js, Express, MongoDB, Stripe API, Tailwind CSS

- Engineered full-stack fundraising platform with secure payment processing via Stripe, enabling real-time donations with instant transaction confirmations and automated receipt generation
- Implemented role-based authentication (JWT) for donors and admins with campaign tracking dashboard, reducing manual oversight by 60%
- Designed responsive UI using React and Tailwind CSS with 100% mobile compatibility across 15+ device types, increasing user engagement by 40%

### Tunify | MongoDB, Express, React, Node.js, YouTube API, Tailwind CSS

- Built full-stack music streaming application featuring playlist management, YouTube integration for music downloads, and real-time search functionality with debouncing for optimized API calls
- Architected RESTful APIs handling 500+ concurrent requests with persistent user sessions and JWT authentication, improving user retention by 30% in beta testing
- Developed mobile-first UI with dark/light theme switching and smooth animations, achieving 95+ Lighthouse performance score

### AddaBazz | React, Node.js, Socket.io, PostgreSQL, Prisma, Framer Motion

- Created AI-powered social coding platform with real-time messaging using WebSockets, enabling instant collaboration between 100+ concurrent users with sub-100ms latency
- Integrated OpenAI API for intelligent code transformation and suggestions, processing 500+ code snippets with 85% user satisfaction rate
- Implemented complex state management with React Context API and designed animated UI components using Framer Motion, achieving zero layout breaks across multiple viewport sizes

## TECHNICAL SKILLS

**Languages:** C++, Java, Python, JavaScript (ES6+), SQL

**Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Framer Motion, Responsive Design

**Backend:** Node.js, Express.js, RESTful APIs, WebSockets (Socket.io), JWT Authentication

**Databases:** MongoDB, PostgreSQL, MySQL, Prisma ORM

**Tools & Technologies:** Git, GitHub, VS Code, Postman, Vercel, Render, Stripe API, YouTube API

**Machine Learning:** Python (NumPy, Pandas, scikit-learn), Supervised Learning, Data Preprocessing

## ACHIEVEMENTS & CERTIFICATIONS

**Programming in Java** – NPTEL, Indian Institute of Technology

**Data Structures & Algorithms** – LearnYard

**Full Stack Web Development** – Ardent Computech (React, Node.js, Express, MongoDB)

**Hackathon Participant** – InnoFusion 2.0 (2025), HexaFalls (2025)