Rishi Paul

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Education

RCC Institute of Information Technology (MAKAUT) — Kolkata, WB
B.Tech in Computer Science and Engineering — *Aug 2023 – Jun 2027*

Experience

Mercari Inc — Tokyo, Japan
SWE Intern | Homepage | No. 1 C2C Marketplace in Japan | 24M+ MAU — *Aug 2026 – Oct 2026*

- Shipped features and improvements across Item Auth, Item Details, Checkout, Storefront, and SERP, driving a **5.2% relative conversion lift** and **4,100+ additional transactions per day**.
- Owned end-to-end delivery of SKU List and SKU Detail, building responsive filters, localization, infinite loading, translation controls, and linked listings for a product experience targeting **10,000+** weekly visits.
- Fixed **production** checkout bugs, implemented analytics across item details, checkout, and order details, and improved accessibility and **release reliability** through **cross-team collaboration**.
- Expanded Playwright E2E coverage across cart, coupons, registration-to-checkout, and product-reporting flows; built reusable test helpers and validated execution in CI.

DevRelSquad — Remote
SDE Intern | Homepage | B2B SaaS | DevRel Automation — *Aug 2025 – Jun 2026*

- Built **ML-based RSVP prediction** system for event capacity forecasting and user engagement modeling.
- Implemented **Google OAuth**, onboarding flows, social sharing toolkit, account deletion, and user journey improvements.
- Optimized database indexing and queries, reducing event page load time from **8s to 1s (87.5% improvement)**.
- Delivered production features across frontend and backend improving platform reliability and retention.

WEBEL Centre of Excellence — Kolkata, WB
ML & Data Science Intern | Homepage | Govt. of West Bengal | Statewide IT/Electronics — *Apr 2025 – Jul 2025*

- Built **AI-based adaptive learning system** for **7000+ government operators** across **3500+ centers**.
- Developed multilingual training pipeline with AI tutoring, dynamic assessments, and analytics dashboards.
- Designed performance tracking system for personalized learning path optimization.

LogicLens — Remote
Frontend Intern | Homepage | B2B | AI Video Analytics — *Aug 2024 – Jan 2025*

- Developed high-performance landing page generating **8000+ weekly visits**.
- Built dashboard for **AI-powered CCTV attendance system** with employee tracking and PDF export.

Projects

GitPulse | *Next.js, Appwrite, GitHub API, Gemini, MCP*

- Built **MCP-powered** GitHub automation system that converts developer discussions into structured GitHub issues.
- Integrated GitHub APIs to generate issues with titles, descriptions, labels, and assignees automatically.
- Implemented repository-aware context engine for codebase-specific AI task generation.

Elantika | *Next.js, Three.js, MongoDB, Express.js, Razorpay, Shiprocket*

- Built full-stack e-commerce platform with real-time **3D product customization** using Three.js.
- Integrated **Razorpay** payments and **Shiprocket** logistics for end-to-end order processing.
- Designed scalable REST APIs and database architecture for products, orders, and inventory.

Aarya | *Python, TensorFlow, OpenCV, MediaPipe, DeepFace*

- Developed real-time **computer vision** system for safety monitoring using CCTV and mobile feeds.
- Implemented detection models for SOS gestures, crowd behavior, and anomaly detection.
- Built multi-model inference pipeline optimized for real-time video processing.

Skills

Languages	JavaScript · TypeScript · Python · C · C++ · Java · SQL
Frameworks	React.js · Next.js · Node.js · Express.js · NestJS · TailwindCSS · Three.js · TensorFlow · OpenCV
Databases	MongoDB · PostgreSQL · Firebase
Cloud & Tools	AWS · Azure · GCP · Docker · Git · GitHub · Cloudinary · Razorpay · Shiprocket · Supabase · Appwrite
Core CS	DSA · OOP · DBMS · Operating Systems · Computer Networks · REST APIs · System Design
AI / ML	Computer Vision · Deep Learning · RAG · NLP · LangChain · DeepFace · Azure AI · Gemini API

Achievements

- **Smart India Hackathon 2025 Grand Finalist** – Selected among the top 1% from 140,000+ participating teams.
- **Winner, ACM Kolkata UG Project Contest** – Built BrainBoost; recognized for strong system design and applied AI implementation. Granted copyright by the Government of India.
- **Winner (Axicov Track), Hackspire 2025** – Secured track winner position for building a full-stack AI-driven product under competitive constraints.
- **2nd Runner-Up, Binary'25 Hackathon (KGEC)** – Ranked among top teams in competitive problem-solving and system-building challenge.
- **Finalist, Smart Bengal Hackathon 2024** – Led team to Top 30 among 500+ teams; built AARYA, a real-time AI safety monitoring system.
- **Google Developer Group on Campus RCCIIT** – Lead Organizer; conducted 10+ technical events with 3000+ total participants across multiple institutions in West Bengal.