

Jainendra Tripathy

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Education

INDIAN INSTITUTE OF TECHNOLOGY (ISM), DHANBAD
Pursuing Integrated Master of Technology
CGPA: 8.98 / 10.00
Relevant Coursework: Data Structures and Algorithms (C++), Linear Algebra, Mathematical Functional Analysis with Computational Applications (Python), Operations Research, Building Software Systems.

Expected May 2026
Dhanbad, Jharkhand

Experience

PiePay
FullStack Engineer Intern | Node.js, TypeScript, Express.js, MongoDB, Redis, AWS (S3, SQS, CloudWatch, SDK)
Aug. 2025 – Sept. 2025
Remote

- Refactored Redis caching into a reusable module for 5+ microservices, reducing latency by 40%.
- Designed Regex-based parsing for unstructured offer data, increasing accuracy by 30%.
- Implemented category normalization and merchant APIs, scaling to 100+ categories and improving query efficiency by 35%.

Amazon Development Centre India
SDE Intern | Java, Node.js, TypeScript, React, AWS (Lambda, S3, API Gateway, CDK), IAM, JUnit, Mockito
May 2025 – July 2025
Bangalore

- Migrated microservices to JDK 17, resolving 200+ compatibility issues and stabilizing rollouts.
- Built a serverless file ingestion pipeline with validation, deduplication, and audit logging, automating a manual workflow.
- Developed an internal React tool with real-time validation, upload feedback, and role-based access.
- Provisioned infra via AWS CDK with least-privilege IAM, encrypted storage, CORS-compliant APIs, and monitoring.

Neuronexus Innovations
Web Developer | HTML, CSS, React.js, Node.js, Express.js, MongoDB [GitHub]
Nov. 2023 – Dec. 2023
Remote

- Built a responsive landing page, improving conversion rates by 30% and load speed by 50%.
- Developed an e-commerce platform with advanced filtering (+40%), optimized checkout (-25% time), and secure payments (-20% failures).
- Enhanced engagement with interactive cart and smart search, increasing conversions by 20% and reducing bounce rate by 30%.

Projects

E-LEARNING PLATFORM (PROGENX) | HTML, CSS, Bootstrap, Node.js, MongoDB, JavaScript, Express | GITHUB

- Conducted rigorous time series analysis on GDP and PDI datasets.
- Developed a platform for free courses, cutting user search time by 40% with optimized algorithms.
- Enhanced user experience with Firebase authentication and an animated toggle login interface.
- Boosted engagement and completion rates by 25% through real-time progress tracking and personalized course suggestions.

Sports Programming

Platform	Username	Solve Count	Rating
CodeChef	CodeBreaker_007	167	1612
Atcoder	CodeBreaker_007	138	738
Codeforces	CodeBreaker_007	225	1258

Technical Skills

Programming Languages: C++, C, Python
Web Development: HTML, CSS, JavaScript, Node.js, Express.js, Bootstrap, jQuery, React.js, REST API
Tools: Git, GitHub, Unix/Linux environments
Cloud Development (AWS): Lambda, S3, API Gateway, CloudWatch, VPC, Route53, EC2, ECR, IAM, CDK
Others: Data Structures and Algorithms, Operating System, Object-Oriented Programming

Achievements

- Selected among 700 **GDSC Leads** in India (2023–24) and chosen for the **Amazon ML Summer School 2024**.
- Semifinalist in **Flipkart Grid 5.0** (Top 283 teams) and **Adobe Papyrus Nebulae**.
- Placed **Top 2** in Idea Pitch at Code for GovTech (C4GT) – cQube File Validation.
- Achieved strong programming ranks: **India Rank 51** in Codeforces CF 884 (Div 1 + Div 2), **102/3023** in CodeRush Dec 2023, and **58th** in HackerEarth DSA Contest (Jan 2024).

Social Engagements

GDSC Lead '23: Google Developer Student Club Lead, IIT (ISM) Dhanbad
Club Member: Udaan – The Career Club, IIT (ISM) Dhanbad
Volunteer: Kartavya – Student-run NGO educating underprivileged children
Founder: AlgoZenith Club: IIT(ISM) Dhanbad Chapter
President: Unstop Campus Program: IIT(ISM) Dhanbad Chapter
Sports: Badminton (Beginner), Chess (457 Rapid)

Soft Skills

Language: English (Fluent), Hindi (Native)
Graphic Design: Beginner