

Utsav Jana

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EDUCATION

Bhagwan Parshuram Institute of Technology

Bachelor of Technology, Information Technology

Delhi, India

2023 – 2027

Don Bosco School

Completed Class 12 with PCM

Delhi, India

2010 – 2023

EXPERIENCE

AI/ML Project Instructor

Stealth (EdTech)

May 2026 – Present

Remote

- Directing end-to-end development of a multi-modal financial AI, engineering custom pipelines for real-time voice (Whisper) and image (PaddleOCR) extraction without third-party API dependencies.
- Fine-tuning a triple-head DistilBERT classifier on 42k+ examples for autonomous category and bank account resolution.
- Engineered a production-ready double-entry ledger system integrated with a responsive Next.js frontend, maintaining modular code design and comprehensive technical blueprints

Associate Intern

Channelplay Limited

June 2025 – August 2025

Gurgaon, Haryana

- Migrated legacy CRM dashboards from Angular to Next.js, modernizing the frontend architecture and leveraging Server-Side Rendering (SSR) to optimize page delivery and system performance.
- Developed dynamic data-table rendering using API-driven schemas, enabling automatic column generation for varying datasets and reducing frontend modification effort for new CRM reports and dashboard views.

Freelance Full-Stack Developer

Unit-13

2024 – Present

- Engineered and deployed fully functional D2C e-commerce platform for an Indian women's apparel brand, implementing a headless Shopify architecture and an admin panel for seamless inventory and order management.
- Collaborated with agency partners to deliver full-lifecycle web applications, writing modular frontend code and integrating structured API pipelines according to precise client specifications.

PROJECTS

Fold — Multi-Modal AI Expense Tracker | *DistilBERT, Whisper, PaddleOCR, PostgreSQL*

April 2026

- Engineered a financial tracking system using a triple-head DistilBERT model to classify categories and payment methods from Hinglish text, images, and voice.
- Integrated Roboflow and PaddleOCR with local LLMs (Ollama) to automate transaction logging from receipt screenshots and UPI logos.

Cloud-Native Music Streaming Platform | *AWS (ECS, S3, RDS), Node.js, Docker*

May 2026

- Architected a serverless music platform on AWS ECS Fargate, implementing an Application Load Balancer and Auto Scaling for high availability.
- Secured audio streaming using S3 presigned URLs and RDS PostgreSQL for automated metadata synchronization across multi-track uploads.

Bodhi — Voice-First AI Mock Interviewer | *LangGraph, FastAPI, Redis, YOLOv8*

February 2026

- Built a low-latency AI interviewer using LangGraph for stateful orchestration, featuring automated technical/behavioral screening and memory compaction for phase-to-phase context.
- Developed a cascaded CV proctoring pipeline using YOLOv8 and MediaPipe to analyze candidate gaze, emotion, and unauthorized objects in real-time.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL (PostgreSQL)

Frameworks & Libraries: Next.js, Node.js, Express, FastAPI, LangGraph, LangChain, Whisper, PaddleOCR, YOLOv8, MediaPipe, pgvector

Developer Tools & Cloud: AWS (ECS, S3, RDS), Docker, Redis, Git