

ABHAY GUPTA

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Experience

Xebia

March 2026 – April 2026 (2 Months)

Apprentice (Trainee Engineer) | Delivery Dept. | Emp ID: APPXAI30961

Jaipur, India (Onsite)

- Engineered low-code process automation using Appian; developed reactive frontend components with AngularJS and integrated ML preprocessing pipelines for Agile delivery workflows.

Technical Skills

Languages: Python, JavaScript, TypeScript, C, C++, Java, SQL, HTML/CSS

Frontend: Next.js 15, React 19, Angular 19, Node.js, Express.js, Flask, Gradio, Streamlit

Database & Caching: Upstash Redis, SQLite, MongoDB, MongoDB Atlas, MySQL

Backend & Cloud: AWS EC2, Docker, GraphQL, REST APIs, Webhooks, Telethon (MTPROTO), Linux/Bash

AI/ML & Data Science: Computer Vision (YOLOv11, MediaPipe), NLP, Gen AI, RAG Systems, Multi-Agent Systems

Tools & Platforms: Git/GitHub, Postman, Appian, Hugging Face, ImageKit, Vercel, Overleaf

Education

Centre for Development of Advanced Computing (C-DAC), Bengaluru

Aug 2026 – Feb 2027

Post Graduate Certificate Programme in AI (24 Weeks, EC-2 Campus) | C-CAT AIR 185

Bengaluru, India

Indian Institute of Technology (IIT) Madras

2023 – Present

BS in Data Science & Applications | Foundation Level Cleared (90%+ Average)

Chennai, India (Online)

Shri Ram Institute of Technology, Jabalpur

2022 – 2026

B.Tech in Computer Science and Engineering (8.11 CGPA, First Class with Distinction)

Jabalpur, India

Govt Model School of Excellence, Jabalpur

2019 – 2022

Class XII: 91% | Class X: 95%

Jabalpur, India

Certifications

- BSNL & Nokia:** Advanced AI/ML Training (TSSC, 5 Days) | **Cisco:** CyberOps Associate
- Infosys SpringBoard:** DBMS Part 1 & 2, Data Structures & Algorithms using Java, Python OOPs
- IIT Madras BS Data Science:** Foundation Level Cleared (Certificate) | Profile: [23F2000876](#) | **AWS:** Intro to Generative AI

Projects

TechSelect — Deal & Syndication Engine | Lead Developer | Live | GitHub

June 2026 – Present

- Engineered an automated pipeline parsing and deduplicating **1,200+ product ASINs** across Telegram, X, and web with **99.9% uptime** on AWS EC2 (Docker).
- Implemented headless GraphQL posting saving **\$2,400/yr API costs**; built 3-tier resilient failover queue with sub-2ms ASIN parsing.
- Tech:** Python, Telethon, Next.js 15, TypeScript, Upstash Redis, SQLite, Docker, AWS EC2, GraphQL

ISL Accessibility & Translation System | Mastek DeepBlue Semi-Finalist | GitHub | Demo

2025 – 2026

- Built **2-module Indian Sign Language (ISL) real-time translation engine** using MediaPipe and Scikit-learn, plus gamified learning web platform.
- Tech:** Python, MediaPipe, Scikit-learn, OpenCV, Streamlit, PyTorch, React, Node.js, Render

AgentX Travel India | Team Lead | HackByte 3.0 Top 100/5,200 | GitHub | Live

Apr 2025

- Built multi-agent AI itinerary system via Gemini API & MCP Servers, reducing planning effort by **70%**; deployed on Hugging Face Spaces.
- Tech:** Next.js, React, MongoDB, Cloudflare AI SDK, Gemini API, MCP Servers

ReelsPRO – Content Moderation Platform | HackSRIT Winner (INR 15,000) | GitHub | Live

2025

- Developed AI content moderation using nsfwjs (**92% accuracy**); automated tagging + ranking, cutting latency by **40%**.
- Tech:** Next.js 15, React 19, TypeScript, MongoDB, NextAuth.js, ImageKit

Helmet Detection System | IJRAR Paper Published | Paper | Demo

2024

- Built YOLOv11 + OCR CCTV violation detection pipeline (**18% precision boost**); tracked 1,000+ video frames.
- Tech:** Python, YOLOv11, OpenCV, OCR, Gradio, PyTorch

Achievements

- Mastek DeepBlue Season 11 (2025–2026):** National Semi-Finalist (ISL translation & gamified learning system)
- CDAC C-CAT Ranks:** Category II: Rank 1213 | Category III: Rank 185
- Scholarships:** Reliance Foundation Undergraduate Scholar (2023–Present), ONGC Merit Scholar, LIC GJSS Scholar
- Hackathons:** BrahmaX 1.0 Finalist | DTU GDG Top 6 | IIITDM HackByte 3.0 Top 100/5,200 | WADLA 4.0 Theme Winner | TCS CodeVita Global Rank 1374
- Selected as SDE at APMOSYS; cleared 4 rounds at Xebia; cleared 2 rounds for NIXI Governance Intern; completed 5-day SSB evaluation.