

ABHAY GUPTA



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EXPERIENCE

Apprentice (Trainee Engineer) | Xebia | Delivery Dept. | 2 Months | Emp ID: APPXAI30961 — Worked on Appian (low-code automation), built UI components using AngularJS, and applied basic Machine Learning concepts including data preprocessing and model implementation in real-world project scenarios.

SKILLS AND INTERESTS

Programming Languages	C, C++, Java, Python, JavaScript
Frontend Technologies	Next.js 15, Angular 19, Node.js, Express.js, Flask, Django, Gradio, Streamlit
Database	MySQL, MongoDB, MongoDB Atlas
AI/ML & Data Science	Computer Vision (YOLOv11), NLP, Gen AI, RAG Systems, Multi-Agent Systems
Tools	Docker, Git/GitHub, Appian, Linux, Postman, Hugging Face, ImageKit
Soft Skills	Stakeholder communication, Agile methodologies, problem-solving

EDUCATION

Shri Ram Institute of Technology, Jabalpur August 2022 - June 2026
B.Tech Computer Science and Engineering (80%+ CGPA, No Active Backlogs)

Govt Model School of Excellence, Jabalpur August 2019 - August 2022
Class XII: 91% (Govt Model School of Excellence) | Class X: 95% (Govt Model School of Excellence)

CERTIFICATIONS

- BSNL & Nokia Advanced AI/ML Training (TSSC, 5 Days, Jabalpur)
- Cisco Networking Academy Cybersecurity Virtual Internship Cisco CyberOps Associate
- Database Management System Part- 2 (Infosys) Database Management System Part- 1 (Infosys)
- Data Structures and Algorithms using Java (Infosys SpringBoard) Basics of Python OOPs using Python (Infosys SpringBoard)
- “Introducing Generative AI with Amazon Web Services (AWS)” Certificate
- **Bachelor of Science (BS) Data Science and Applications** | IIT Madras Online Ongoing (ML:95%, Deep Learning:92%, Stats:98%, DSA:94%); mastered Python/Pandas/Scikit-learn/TensorFlow/SQL; built 15+ projects in predictive modeling/NLP; AI/ML specialization.

PROJECTS

AgentX Travel India | Team Lead | **HackByte 3.0 (Top 100 / 5,200 teams)** | Apr 2025 GitHub: <https://github.com/Abs6187/agentx-travel>
• Built multi-agent AI itinerary system using **Gemini API**, reducing manual planning effort by **70%**
• Implemented **geo-search + preference scoring** across **10+ travel parameters**. Designed scalable **MongoDB backend (50k+ queries tested)**; deployed on **Hugging Face Spaces**. Collaborated via **GitHub (30+ commits)** and **Postman APIs**
Tech: Next.js, React, MongoDB, Cloudflare AI SDK

ReelsPRO – Content Moderation Platform | Full-Stack / ML Developer | **HackSRIT Winner (₹15,000)** | GitHub: <https://github.com/Abs6187/reelspro>
• Developed AI-based content moderation using **nsfwjs (92% detection accuracy)**
• Automated **tagging + feed ranking**, improving content filtering latency by **40%**. Built drag-and-drop UI; optimized media delivery via **ImageKit (35% load reduction)**. Delivered **stakeholder demos (3+ iterations)** with video walkthroughs
Tech: Next.js 15, React 19, TypeScript, MongoDB, NextAuth.js

Helmet Detection System | Minor Project | **IJRAR Published Paper** | 2024 Gradio Demo: <https://huggingface.co/spaces/Abs6187/helmet-detection>
• Implemented **YOLOv11 + OCR** pipeline for CCTV-based helmet detection. Improved detection precision by **18%** via data augmentation + threshold
• Tracked violations across **1,000+ frames/video**. Deployed interactive **Gradio demo**; validated with institute stakeholders

ACHIEVEMENTS

- Reliance Foundation Undergraduate Scholar (2023–Present), ONGC Merit Scholar and LIC GJSS Scholar
- BrahmaX 1.0 National Hackathon (CodeCrax): Finalist (Round 3) – Team *TechMatrix Solvers*; hosted by Baderia Global Institute. DTU GDG Hackathon 2024 (Execute 4.0): Top 6 Team – *TechMatrix Solvers*; built FDAM model for SabPaisa
- IIITDM Jabalpur HackByte 3.0: Top 100 / 5,200 teams nationwide – *TechMatrix Solvers*; built AI Travel Itinerary using MCP Servers
- WADLA 4.0 @ IIITDM Jabalpur: Theme-Based Winner – Inject Solar PS; trained ONNX model with 99% accuracy
- TCS CodeVita Season 13 (2025): Global Rank 1374 (Username: *abs6187*)
- Selected as SDE at APMOSYS after 1 interview process; cleared 4 technical/managerial rounds at Xebia; successfully completed 5-day SSB (Service Selection Board) evaluation.

HOBBIES AND INTEREST

- Competitive programming and DSA practice (solved 300+ problems across LeetCode and other platforms)
- Deep Reinforcement Learning experiments, especially “AI learns to walk”-type projects
- Following national and international **current affairs** daily and analyzing their impact on technology and jobs.
- Watching **business case studies** and startup/big-tech breakdowns (at least 3–4 detailed videos per week) to understand product, revenue models, and market trends
- Delivering tech presentations and mentoring juniors on AI, web dev, and career planning

OTHER LANGUAGES KNOWN: English (Fluent), Hindi (Native)