ABHINAV MISHRA

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EDUCATION

Maharaja Agrasen Institute of Technology, GGSIPU   **Sep 2023 – Jun 2027**

Bachelor of Technology, Computer Science Engineering with specialization in Artificial Intelligence   **CGPA : 8.36/10**

SKILLS

- **Languages**: C++, Python, JavaScript, Dart, Solidity, C#
- **Frontend**: React.js, Flutter, HTML/CSS, WebGL, Spark AR
- **Backend**: Node.js, Express.js, Django, REST APIs
- **XR Development**: Unity, Unreal Engine, OpenXR, MediaPipe
- **Blockchain**: Web3.js, Hardhat, Solidity (Smart Contracts)
- **Databases**: MongoDB, PostgreSQL, Firebase
- **Tools**: Git, Linux, Docker, Figma, Blender
- **AI/ML**: Gemini API, NLP, TensorFlow, LangChain, HuggingFace, Streamlit
- **Soft Skills**: Problem-Solving, Leadership, Communication, Teamwork, Resilience

EXPERIENCE

NDRF : National Disaster Response Force (Ministry of Home Affairs) – Project Lead   **Jan 2025 – Present**

- Led the development of "Sangrakhshan" – a VR simulator for CBRN disaster training; collaborated with NDRF 8th Battalion for deployment & real-world simulation testing, impacting 1000+ personnel; secured formal MoU with the Ministry of Home Affairs for institutional adoption.

Persistent Systems – Software Development Intern (Mentored Project)   **Jun 2024 – Present**

- Working on an Agentic AI project focused on autonomous agents and contextual intelligence; optimized multi-agent workflow with LangChain, OpenAI API, Pinecone, LlamaIndex, Flask, and Streamlit, reducing manual intervention by 70%.

ONDC : Open Network for Digital Commerce – Software Development Intern   **Dec 2024 – Apr 2025**

- Built ONDC-compliant WooCommerce adaptor; enabled catalog sync, order flow, & post-fulfillment for 1K+ SKUs; developed scalable API translation layer & seller dashboard (React.js, Django, PostgreSQL), reducing onboarding time by 35%.

PROJECTS

Sangrakshan : VR Based Training Module for Disaster Response (Nationally Acclaimed)   **(DEMO LINK)**

Tech Stack: Unity, Unreal (C++), MediaPipe , Django (Python), ChatGPT API, Blender, MERN

- A VR-based CBRN disaster training platform for NDRF with multiplayer FPV/TPV modes, posture tracking, AR equipment model & AI chatbot support.
- **Key Features**: Real-time Immersive drills, spatial AR visualizations, MediaPipe posture analysis, & dual dashboards (app/web)

AccessWay – AI/AR Accessibility Platform (Interationally Acclaimed)   **(DEMO LINK)**

Tech Stack: ARCore, Unity (C#), Flutter (dart), Firebase, MongoDB, Blender

- An inclusive navigation & social platform for people with disabilities using AR overlays, AI voice guidance, & crowdsourced data.
- **Key Features:** Indoor/outdoor AR routing, accessibility reviews, voice navigation, business certifications

WooCommerce ONDC Adaptor – Bridging eCommerce Sellers to a Decentralized Network   **(DEMO LINK)**

Tech Stack: React.js, Node.js, Django, Express.js, PostgreSQL, OAuth, Jest, MongoDB

- Designed a full-stack adaptor for seamless WooCommerce-ONDC integration, enabling catalog sync, order handling, & scalable decentralized commerce.
- **Key Features**: API translation layer, real-time order tracking, user-friendly admin dashboard, scalable & ONDC-compliant architecture

CRYPTXCHANGE – Secure DeFi + EdTech Ecosystem (Regionally Acclaimed)   **(DEMO LINK)**

Tech Stack: MERN, Solidity, Web3.js, Node.js, MongoDB, IPFS, Biometric AI, Voiceflow

- A decentralized crypto platform integrating AI-based fraud detection, biometric auth, real-time analytics, & gamified learning.
- **Key Features**: Multi-chain swaps, AI threat detection (TensorFlow), Crypto Academy, expense visualizations

ACHIEVEMENTS

- **Global Best M-Gov Award 2025 – Bronze for India** : Honored by UAE VP at World Government Summit (AccessWay)
- **Smart India Hackathon 2023 Winner** – ₹24L Govt. Funding; Deployed by NDRF (Sangrakhshan) & Home Ministry (GOI)
- **Hack4Purpose @ IIT Delhi – 1st Runner-Up** out of 600+ teams
- **Scale +91 Hackathon 2024 – Top 3** (among 5000+ teams)
- **HackBMU 2025 – 1st Prize** (out of 500+ teams)
- **Haryana Police Hackathon – Top 10** (AR/VR for anti-drug platform)
- **BITBOX 4.0 (JIIT)** – Best All-Freshers Team
- **SIH IDE Bootcamp 2024 – Top Performer**; Registered with Wadhwani Foundation
- **FISHTANK Pitchathon** – Runner-Up (XR-VERSE)

LEADERSHIP & IMPACT

Business Development Head – Startup Sphere, MAIT : Advised **15+ startups**, led **500+ participant events**, & delivered **nationally awarded projects**.

Technical Head – Alvolutions, MAIT : Conducted **workshops** on **Metaverse**, **Unity** & **Blockchain** for **200+ students**; led society tech initiatives.

Driven technologist with 17+ projects (6 Internationally & nationally recognized), ₹24L+ in funding secured, 30+ open-source contributions, and 10+ hackathon wins including honors from UAE GovTech and Government of India