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

HACKATHONS & IDEATHONS ACHIEVEMENTS

1. **Global Best M-Gov Awards 2025 – Bronze for India**
   - **Project:** *AccessWay* (AR/AI accessibility platform for disabilities).
   - **Recognition:** Awarded by UAE Vice President at World Governments Summit, Dubai.

2. **Smart India Hackathon'23 – Winner**
   - **Project:** *Sangrakhshan* (VR-based CBRN disaster training for NDRF).
   - **Impact:** Secured **₹27 lakhs** in government funding; adopted by NDRF 8th Battalion.

3. **Hack4Purpose 2024 (IIT Delhi) – 1st Runner-Up (Among 600+ Teams)**
   - **Project:** Heal-o-Verse : *Virtual Appointment Metaverse* (VR healthcare consultations).

4. **Scale +91 Hackathon : FINTECH FESTIVAL 2024 – Top 3 (Among 5000 teams)**
   - **Project:** *CRYPTXCHANGE* (DeFi platform with metaverse education).

5. **Haryana Police Hackathon 2024 – Top 10**
   - **Project:** *Nav Yuva Chetna* (AR/VR anti-drug abuse platform).

6. **HackBMU 2025 – 1st Prize (Among 500 teams)**
   - **Project:** *Pathshala* (XR learning platform for inclusive education).

7. **BITBOX 4.0 (JIIT) – Best All-Freshers Team**
   - **Project:** *Vidyalaya* (Gamified EdTech Metaverse).

8. **SIH - IDE Bootcamp 2024 – Top Performing Idea**
   - **Project:** *XR Labs* (Metaverse for disaster management training).
   - **Recognition:** Startup registered with Wadhwani Foundation.

9. **FISHTANK Pitchathon – Runner-Up**
   - **Venture:** *XR-VERSE* (AR/VR service solutions).

TECHNICAL 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, Smart Contracts (Solidity)

- **Database:** MongoDB, PostgreSQL, Firebase

- **Tools:** Git, Linux, Blender, Figma, Docker

- **AI/ML:** Gemini API, NLP, TensorFlow

SOFT SKILLS

- **Cross-Functional Leadership:** Led 15+ projects across hackathons and startups

- **Stakeholder Management:** Collaborated with government bodies and NGOs

- **Adaptive Problem-Solving:** Built solutions for diverse challenges

- **Public Speaking & Pitching:** Presented to ministers and investors

- **Strategic Mentorship:** Guided 50+ students in tech entrepreneurship

- **Resilience Under Pressure:** Delivered 24-hour hackathon projects

- **Ethical Innovation:** Advocated for inclusive design in projects

- **Negotiation:** Secured ₹27 lakhs in government funding

- **Community Engagement:** Contributed to 30+ open-source repositories

- **Time Management:** Balanced multiple roles while maintaining academic excellence

PROJECTS (17)

1. **Sangrakhshan: VR Disaster Training for NDRF**   **Sept - Dec 2023**
   GitHub: [Parallel-Transcend](#)
   Description:
   VR/AR platform for training NDRF personnel on CBRN disasters, featuring multiplayer drills and posture tracking.
   Key Features:

   o   Multiplayer VR simulations with voice/video support.

   o   AR equipment visualization for hazard scenarios.

   o   Real-time posture tracking using MediaPipe.
       Tech Stack:

   o   Unreal Engine, Unity

   o   React.js (dashboard), Django

o ChatGPT API, PostgreSQL

2. **Nav Yuva Chetna (NYC): Anti-Drug Abuse Metaverse** **Feb 2024**

GitHub: [DDD-APP](#)

Description:

Metaverse platform combating drug abuse through AR content blocking and VR decision-making games.

Key Features:

o AI humanoid avatars for counseling.

o Web3-powered anonymous chat.

o Fitness challenges with leaderboards.

Tech Stack:

o Unity, Ethereum

o Flutter, Solidity

o MediaPipe, Firebase

3. **CRYPTXCHANGE: DeFi Platform** **Mar 2024**

GitHub: [CRYPTXCHANGE](#)

Description:

Decentralized crypto exchange with AI fraud detection and a metaverse learning hub.

Key Features:

o Smart contracts for swaps.

o AI-driven investment insights.

o Beginner-friendly EdTech resources.

Tech Stack:

o Solidity, Web3.js

o Flutter, TensorFlow

o React.js, MongoDB

4. **BharatVerse: Cultural Metaverse** **Apr 2024**

GitHub: [BharatVerse](#)

Description:

Virtual tours of Indian heritage sites with AI guidance and sustainability hubs.

Key Features:

o AI companion "Disha" for cultural insights.

o Gamified eco-challenges.

o Customizable avatars in traditional attire.

Tech Stack:

o Unreal Engine, Oculus SDK

o ChatGPT API, Firebase

o MERN stack

5. **Vidyalaya: Gamified Learning Metaverse**   **Apr 2024**

   GitHub: [Vidyalaya](#)

   Description:

   Metaverse EdTech platform with AR/VR classrooms and adaptive learning pathways.

   Key Features:

   o   Multiplayer quizzes and 3D science labs.

   o   Real-time progress dashboards for teachers.

   o   Cross-device compatibility (web/mobile).
       Tech Stack:

   o   Unity, Blender

   o   MERN stack, Flutter

   o   Gemini API, OpenCV

6. **Heal-O-Verse: Metaverse Doctor Consultancy**   **May 2024**

   GitHub: [Greedyiitdelhi](#)

   Description:

   VR platform for doctor consultations and intern training with posture analytics.

   Key Features:

   o   Metaverse waiting rooms.

   o   MediaPipe-powered physiotherapy tracking.

   o   Multi-language support.
       Tech Stack:

   o   Unity, MERN

   o   MediaPipe, NLP

   o   Firebase

7. **Cantilever: MERN Stack E-Commerce**   **July - Aug 2024**

   GitHub: [Cantilever](#)

   Description:

   Full-stack e-commerce platform with payment gateways and admin dashboards.

   Key Features:

   o   Stripe/PayPal integration.

   o   JWT authentication.

   o   Responsive React.js UI

       Tech Stack:

   o   React.js, Node.js

   o   MongoDB, Jest

   o   Docker, Bootstrap

8. **WiseWaste: Circular Economy Platform**   **Nov 2024**

   GitHub: [WiseWaste](#)

   Description:

Community-driven app to reduce waste through AR tutorials and token rewards.
Key Features:

- o AR-guided composting.

- o NGO partnership dashboards.

- o Tokenized incentives.
  Tech Stack:

- o Flutter, ARCore

- o Firebase, Solidity

- o Python

9. **Herbal-Reet: Ayurvedic Metaverse**   **Oct 2024**
   GitHub: Herbal-Reet
   Demo: herbal-reet.vercel.app
   Description:
   Metaverse platform for exploring medicinal plants with AI-guided botany.
   Key Features:

   - o AR plant visualization.

   - o Yoga sessions with posture feedback.

   - o Gamified certifications.
     Tech Stack:

   - o Unity, Blender

   - o MERN, Gemini LLM

   - o Spark AR

10. **Wave Wise: Ocean Literacy Platform**   **Sept 2024**
    GitHub: WaveWise
    Demo: wave-wise.vercel.app
    Description:
    Gamified platform for ocean conservation education.
    Key Features:

    - o Real-time multiplayer cleanup games.

    - o AI assistant for sustainability tips.

    - o Expert-led webinars.
      Tech Stack:

    - o React.js, Three.js

    - o Unity, Python

    - o GPT-3

11. **Enviro-Bot: Sustainability Chatbot**   **Jan 2025**
    GitHub: Enviro-Bot
    Description:

AI chatbot guiding users on eco-friendly practices.
Key Features:

- o Carbon footprint tracking.

- o Community-driven challenges.

- o Educational modules.
  Tech Stack:

- o Python, TensorFlow

- o Flask, Firebase

- o GPT-3

12. **AccessWay: Accessibility Platform**   **Feb 2025**

   GitHub: AccessWay
   Description:
   AR navigation tool for people with disabilities.
   Key Features:

- o Crowdsourced accessibility data.

- o Business certification system.

- o Voice-guided routes.
  Tech Stack:

- o ARCore, React.js

- o Node.js, TensorFlow

- o Firebase

13. **Saarthi: Offline-First EdTech**   **Dec 2025**

   GitHub: Saarthi-App
   Description:
   Multilingual education app for underserved communities.
   Key Features:

- o Offline STEM courses.

- o NGO-sponsored device donations.

- o Gamified regional content.
  Tech Stack:

- o Flutter, SQLite

- o GPT-3, Firebase

- o REST APIs

14. **Pathshala: XR Learning Mobile App**   **Apr 2025**

   GitHub: Pathshala
   Description:
   Smartphone-first XR education platform with inclusive design.
   Key Features:

- o **Offline-first AI tutors (Gemini API):** Works without internet.

- o **Headset-free AR labs (Unity/OpenXR):** STEM experiments on mobile.

- o **Neuro-inclusive UI:** Dyslexic-friendly fonts, high contrast.

- o **MERN + Flutter stack:** Cross-device scalability.
  Tech Stack:

- o Flutter, Dart

- o Unity, OpenXR

- o Firebase, Gemini API

15. **HeritageSphere: Cultural Preservation**   **Dec 2024**
    GitHub: HeritageSphere
    Description:
    Metaverse platform for virtual heritage tours and artisan support.
    Key Features:

    - o Blockchain rewards for eco-actions.

    - o AR historical overlays.

    - o Artisan marketplace.
      Tech Stack:

    - o Unreal Engine, Solidity

    - o ARCore, MERN

    - o MediaPipe

16. **WooCommerce ONDC Adaptor**   **Dec 2024 - Apr 2025**
    GitHub: WooCommerce Adaptor
    Description:
    Decentralized eCommerce integration for ONDC compliance.
    Key Features:

    - o API translation layer.

    - o Real-time order tracking.

    - o Seller admin panel.
      Tech Stack:

    - o React.js, Node.js

    - o PostgreSQL, OAuth

    - o Jest

17. **LogiGreen: Sustainable Logistics Platform**   **Jan 2025**
    GitHub: LogiGreen
    Description:
    AI-driven logistics optimization platform for eco-friendly packaging and route planning.
    Key Features:

    - o AI-powered route optimization for fuel efficiency.

    - o AR-guided packaging simulations.

- o Sustainability certifications for businesses.
  Tech Stack:

- o React.js, Node.js

- o TensorFlow (AI), ARCore

- o Firebase, Solidity

INTERNSHIPS & GOVT PROJECTS

1. **Cantilever (Web Development Intern)**   **July – August 2024**
   Tech Stack: HTML/CSS, React.js, Node.js, Express.js, MongoDB
   Achievements:

   - o Successfully designed and developed multiple dynamic websites, including an e-commerce platform and a news analysis portal.

   - o Implemented features such as secure payment gateways, real-time data updates, and advanced search functionalities.

2. **ONDC (Open Network for Digital Commerce)**   **Dec 2024 – April 2025**
   Role: Software Development Intern
   Key Contributions:

   - o Designed and implemented a seamless integration adaptor for WooCommerce, compliant with ONDC Retail Protocol.

   - o Developed an API translation layer to support catalog synchronization and order management workflows.
     Tech Stack: React.js, Django, PostgreSQL
     Repo: [WooCommerce Adaptor](#)

3. **NDRF - Ministry of Home Affairs (Project Lead)**   **Jan 2025 – Present**
   Project: *Sangrakhshan*
   Key Contributions:

   - o Led the development of a VR-based training simulator for CBRN disaster preparedness.

   - o Collaborated with NDRF 8th Battalion for real-world implementation.
     Demo: [Drive Link](#)
     Repo: [NDRF-DEMO](#)

4. **XR-VERSE (Founding Member)**   **April 2024 – Present**
   Role: XR Developer
   Key Contributions:

   - o Developed immersive AR/VR solutions for businesses, including custom metaverse environments.

   - o Contributed to the company's vision of democratizing XR technology.
     Demo: [XR-VERSE Site](#)

LEADERSHIP & IMPACT

Business Development Head @ Startup Sphere

- Mentored 15+ startups and organized ideathons with 500+ participants.

- Delivered award-winning projects recognized at national hackathons.

Technology & Development Head @ AIvolutions (MAIT)

- Conducted workshops on Metaverse, Unity, and blockchain for 200+ students.

- Provided technical guidance for society-led innovation projects.

Co-Founder @ XR-VERSE

- Pitched AR/VR solutions to 50+ clients and secured partnerships.

- Won **₹10,000** at FISHTANK Pitchathon for innovative XR use cases.

METRICS:

- **Funding Raised:** ₹27 lakhs (NDRF collaboration).

- **Projects Developed:** 17+ (6 featured in national/international hackathons).

- **Open Source Contributions:** 30+ repositories.

- **Awards:** 10+ hackathon wins, including UAE GovTech recognition.