Imtisal Sahil Ansari

Software Engineer | AI/ML Researcher

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Education

- **B.Tech in Computer Science & Engineering**, VIT Bhopal (2022 – 2026)
  CGPA: 8.08

- **Class X & XII (PCM)**, Vishwa Bharati Public School, Noida (2007 – 2021)
  Percentage: X: 92.8%, XII: 90.8%

Technical Skills

- **Languages**: Java, Python, C, C++, JavaScript, CSS

- **Frameworks / Tools**: Spring, Flask, SQL, Docker, JVM Internals

- **AI / ML**: NLP, LLMs, TensorFlow, Pandas, NumPy, Scikit-learn

Publications

- **"Evaluating LLMs for Causal Extraction from Transcribed Hindi Agricultural Data"**
  Accepted for publication in *PReMI 2025*, IIT Delhi

Projects

1. **AgriInsight AI – Agricultural Intelligence Platform** — React, Node.js, Python, MongoDB
   - Developed a full-stack platform empowering farmers and stakeholders by providing decision support, precision farming insights, and knowledge management tools using a microservices architecture integrating frontend, API, and ML services.
   - Extracted cause-effect relations from Hindi agricultural videos, achieving **87% classification accuracy** in cause-effect pair extraction.
   - Integrated OpenAI Whisper for real-time Hindi-to-English transcription, enabling multilingual accessibility.
   - Ensured robust security with JWT-based authentication, CORS policies, and encrypted password management.

2. **QuickCourt – Sports Facility Booking Platform** — React, TypeScript, MySQL, JWT
   - Developed multi-role booking system enabling Players, Facility Owners, and Admins to manage sports venue availability and reservations.
   - Implemented real-time time-slot availability checks and simulated payment gateway integration for a smooth booking flow.
   - Built secure backend with bcrypt password hashing, JWT authentication, and middleware for validation, error handling, and rate-limiting.
   - Created responsive mobile-first UI using React and Tailwind CSS for seamless experience across devices.

Certifications

- Java Backend Development (GeeksforGeeks)

- Cloud Computing (Coursera)

- Bits and Bytes of Computer Networking (Google)

Achievements

- Solved 300+ problems on LeetCode and Coding Ninjas, focusing on Data Structures, Algorithms, and System Design challenges.

- Odoo Hackathon 2025 Participant, Gandhinagar – Led a team of 4 to deliver a functional e-commerce website with 15+ features and a responsive admin dashboard managing 100+ product listings.