

Imtisal Sahil Ansari

Software Engineer | AI/ML Researcher

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Education

- **B.Tech in Computer Science & Engineering**, VIT Bhopal (2022 – 2026)
CGPA: 8.03
- **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, TypeScript, CSS
- **Frameworks / Tools:** React, Node.js, Express.js, Spring, Flask, SQL, Docker, JWT Auth, OAuth 2.0
- **Databases:** MongoDB Atlas, MySQL
- **AI / ML:** Google Gemini AI, NLP, LLMs, TensorFlow, Scikit-learn, Pandas, NumPy
- **Cloud / DevOps:** Vercel, Render, Git, Postman

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 enabling precision agriculture insights, decision-making tools, and automated analysis using a microservices architecture.
 - Extracted cause-effect relations from Hindi agricultural videos, achieving **87% classification accuracy**.
 - Integrated OpenAI Whisper for real-time Hindi-to-English transcription to improve multilingual accessibility.
 - Implemented JWT authentication, CORS policies, and secure encrypted user management.
2. **InboxIntel AI – Intelligent Email Management System** — React, TypeScript, Node.js, Express, MongoDB, Gmail API, Gemini AI
 - Built an AI-powered email analysis platform integrating Google Gemini AI to detect sentiment, urgency, and category of Gmail messages.
 - Implemented OAuth 2.0 authentication with secure Gmail API access and token lifecycle management.
 - Developed Express.js REST APIs for email fetching, parsing, and intelligent analysis.
 - Created a responsive TypeScript-based React UI with modular and type-safe components.
 - Deployed frontend on Vercel and backend on Render with environment-based configuration.

Certifications

- Java Backend Development (GeeksforGeeks)
- Cloud Computing (Coursera)
- Bits and Bytes of Computer Networking (Google)

Achievements

- Solved 300+ problems on LeetCode and Coding Ninjas with focus on Data Structures, Algorithms, and System Design.
- Odoo Hackathon 2025 Participant – Led a team of 4 to build a complete e-commerce platform with 15+ features and an admin dashboard.