

# Ishaan Mittal

8533972915 | ishaanmittal999@gmail.com | <https://www.linkedin.com/in/ishaan-mittal29> | <https://github.com/kalicharm21>




## SUMMARY

AI & Full-Stack Developer with 2+ years building scalable **React/Next.js** web apps and TensorFlow ML systems. IEEE conference author (ICAAIC 2025) specializing in computer vision, LLMs, and clinical AI benchmarking. Expert in Python, Node.js, AWS/Vercel deployment, and CI/CD automation with 25% model accuracy gains. Proven track record delivering production systems for 1000+ users while optimizing performance and security.

## TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, TypeScript, C++, HTML5, CSS3
- Frontend Frameworks:** React.js, Next.js, Redux, Angular, Tailwind CSS
- Backend Technologies:** Node.js, Express.js, RESTful APIs, GraphQL
- Databases & Cloud Platforms:** MongoDB, PostgreSQL, Supabase, AWS, Vercel
- DevOps & Tools:** Git, GitHub Actions, Docker, CI/CD pipelines, Agile/Scrum methodologies
- AI & Computer Vision:** TensorFlow, MediaPipe, OpenCV
- UI/UX Design:** Figma, Adobe XD, Canva, Sketch

## PROJECTS

- FINOVA - AI-Powered Finance Tracker | Arcject, Next.js, Gemini AI, Supabase** 
- Mar 2025 – Jun 2025
- Designed a scalable Next.js and Supabase platform, onboarding 100+ users within the first month.
  - Enabled AI-based receipt extraction using Gemini AI and OpenCV, reducing manual entry by 75%.
  - Hardened REST endpoints with Clerk authentication and Arcjet encryption while activating automated email alerts.
- WorkQuanta – Productivity Task Manager Full Stack App | RestAPIs, React, Redux, Node.js** 
- Jan 2025 – Feb 2025
- Delivered React and Redux features supporting 50+ active production users.
  - Refined Node.js task scheduling logic, cutting manual workload by 40%.
  - Established GitHub Actions CI/CD pipelines to support zero-downtime releases.
- Virtual Mouse | OpenCV, MediaPipe** 
- Nov 2024 – Dec 2024
- Implemented a gesture-driven control system achieving >90% accuracy and <50ms latency.
  - Architected a Node.js translation layer for real-time touchless device interaction.
  - Streamlined UI responsiveness, reducing dependency on physical input devices by 80%.

## PUBLICATION

Published “**Clinical Decision Support through Machine Learning: Benchmarking LightGBM and Deep Learning Models for Diabetes Onset Prediction**” in IEEE ICAAIC 2025. Conducted a **comparative study of LightGBM and deep learning models**, evaluating predictive accuracy and performance. Demonstrated practical applications for clinical decision support in diabetes onset prediction.

## EXPERIENCE

- AI Intern – amasQS.ai**
- Mar 2025 – Present
- Executed 5+ AI-enabled web interfaces with annotation workflows, supporting 1,000+ daily users.
  - Integrated intelligent labeling tools, increasing training data quality by 30%.
  - Orchestrated a real-time React and Node.js annotation dashboard, reducing manual review by 50%.
- Web Developer Intern – Zidio Task Management**
- Feb 2025 – Mar 2025
- Launched a MERN-based task platform supporting 50+ concurrent users with 30% faster data loading.
  - Implemented 15+ REST APIs, lowering response latency from 800ms to 560ms.
  - Optimized React rendering performance by 40% across major browsers.

## EDUCATION

- Vellore Institute of Technology**
- Bhopal, India
- B.Tech in Artificial Intelligence and Machine Learning CGPA: 8.55
- Sept 2023 – Oct 2027
- Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Algorithms, Computer Vision
- Boston Public School**
- Agra, India
- Class12(CBSE)- 78.50%
- Jul 2020 – Mar 2023
- St.Peter’s College**
- Agra, India
- Class 10 (ICSE) – 94.6%
- Jul 2012 – Mar 2020

## CERTIFICATES

- Graph Theory Programming Camp, AlgoUniversity (May 2025)
- Cybersecurity Analyst Certificate, IBM (Jun 2025)
- National Space Hackathon 2025, IIT Delhi (Apr 2025)

## LEADERSHIP

- Vice President, Music & Band Club** – Organized and managed 15+ college-level music events for 200+ attendees, overseeing logistics, promotions, and artist coordination to ensure successful execution.
- Outreach Lead, iOS Club** – Invited 2 industry speakers and enhanced club engagement through strategic communications.