

# Ishaan Mittal

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## 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

<b>FINOVA - AI-Powered Finance Tracker</b>   Arcjet, Next.js, Gemini AI, Supabase <a href="#">🔗</a>	Mar 2025 – Jun 2025
<ul style="list-style-type: none"><li>Designed a scalable Next.js and Supabase platform, onboarding 100+ users within the first month.</li><li>Enabled AI-based receipt extraction using Gemini AI and OpenCV, reducing manual entry by 75%.</li><li>Hardened REST endpoints with Clerk authentication and Arcjet encryption while activating automated email alerts.</li></ul>	
<b>WorkQuanta - Productivity Task Manager Full Stack App</b>   RestAPIs, React, Redux, Node.js <a href="#">🔗</a>	Jan 2025 – Feb 2025
<ul style="list-style-type: none"><li>Delivered React and Redux features supporting 50+ active production users.</li><li>Refined Node.js task scheduling logic, cutting manual workload by 40%.</li><li>Established GitHub Actions CI/CD pipelines to support zero-downtime releases.</li></ul>	
<b>Virtual Mouse</b>   OpenCV, MediaPipe <a href="#">🔗</a>	Nov 2024 – Dec 2024
<ul style="list-style-type: none"><li>Implemented a gesture-driven control system achieving &gt;90% accuracy and &lt;50ms latency.</li><li>Architected a Node.js translation layer for real-time touchless device interaction.</li><li>Streamlined UI responsiveness, reducing dependency on physical input devices by 80%.</li></ul>	

## 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

<b>AI Intern – amasQS.ai</b>	Mar 2025 – Present
<ul style="list-style-type: none"><li>Executed 5+ AI-enabled web interfaces with annotation workflows, supporting 1,000+ daily users.</li><li>Integrated intelligent labeling tools, increasing training data quality by 30%.</li><li>Orchestrated a real-time React and Node.js annotation dashboard, reducing manual review by 50%.</li></ul>	
<b>Web Developer Intern – Zidio Task Management</b>	Feb 2025 – Mar 2025
<ul style="list-style-type: none"><li>Launched a MERN-based task platform supporting 50+ concurrent users with 30% faster data loading.</li><li>Implemented 15+ REST APIs, lowering response latency from 800ms to 560ms.</li><li>Optimized React rendering performance by 40% across major browsers.</li></ul>	

## EDUCATION

<b>Vellore Institute of Technology</b>	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	
<b>Boston Public School</b>	Agra, India
Class12(CBSE)- 78.50%	Jul 2020 – Mar 2023
<b>St.Peter's College</b>	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.