

Abhinav Kuchhal

Frontend Developer & AI Engineer



Contact

✉ abhinavkuchhal7@gmail.com
☎ +91 7417399438
🌐 [My Website & Blog](#)
in [Linkedin Profile](#)
🐙 [Github Profile](#)

Address

Permanent:

Piyush Kuchhal & Associates
425/1, Basant Vihar
Roorkee, Uttarakhand

Present:

Manipal University
Dahmi Kalan
Jaipur, Rajasthan

SUMMARY

Frontend Engineer specializing in React and modern web technologies. I leverage cutting-edge AI tools to accelerate development and enhance productivity, while continuously expanding into full-stack development. Passionate about building fast, intuitive, and design-forward user experiences.

WORK EXPERIENCE

Present	Independent Researcher STEALTH STARTUP · Remote 📍
Nov 2025	<ul style="list-style-type: none">Conducted market analysis across 5+ competitor platformsIdentified feature gapsInterviewed 20 prospective usersValidated core problem statementsShaped an MVP roadmapDefined 3 key differentiators
Aug 2025	Co-Founder CUPERTINO FOCUS · Delhi 📍
Jan 2025	<ul style="list-style-type: none">Co-founded a product-focused agencyDelivered Figma-based designs and interactive prototypesWorked with 5+ clientsLed ideation and UX flowsPerformed early product validation for mobile applications


PROJECTS

Web App	Retro OS LINK <ul style="list-style-type: none">Built a browser-based operating systemSimulates 10+ native applications (Calculator, Notepad, etc.)Includes a draggable window managerOptimized DOM operationsMaintains 60 FPS performance across devices
Web App	Flappy Bird AI LINK <ul style="list-style-type: none">Designed a neuro-evolutionary algorithmPopulation size up to 10,000 agentsAI achieves mastery in less than 15 generationsConsistently scores 10,000+ points autonomously


TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, Java, C, HTML, CSS
Frameworks	React, Next.js, Node.js
Infrastructure	Docker, Kubernetes, PostgreSQL

PUBLICATIONS

Unpublished	<div><div>Making ViTs Practical</div><div>FIRST AUTHOR · Manipal University </div><div>Efficient Designs and Edge Deployment Strategies</div><div>Review paper. Focus: Reducing computational and memory overheads for deploying Vision Transformers (ViTs) on resource-constrained edge devices.</div><div>Certificate Link</div></div>
-------------	---

EDUCATION

2023	<div><div>B.Tech in Computer & Communication Engineering</div><div>MANIPAL UNIVERSITY JAIPUR · CGPA: 7.71 </div></div>
2027	

Last updated February 12, 2026