

**ROHAN PRAVEEN CHAVAN**  
Blacksburg, VA | +1-540-824-9961 | rohanchavan0701@gmail.com  
[linkedin.com/in/rohanpraveenchavan](https://www.linkedin.com/in/rohanpraveenchavan) | [github.com/RohanChavan0701](https://github.com/RohanChavan0701) | [rohanchavan.vercel.app](https://rohanchavan.vercel.app)

## EDUCATION

<b>Virginia Polytechnic Institute and State University</b> <i>M.S. Computer Engineering, GPA: 3.71/4.0</i>	Aug 2024 – May 2026 Blacksburg, VA
– <b>Coursework:</b> Advanced Machine Learning, Computer Vision, Trustworthy ML, IoT System Design	
<b>K.J. Somaiya College of Engineering</b> <i>B.Tech Information Technology (Distinction; Honors in AI)</i>	Aug 2020 – May 2024 Mumbai, India

## TECHNICAL SKILLS

**Languages:** Python, TypeScript, SQL, C++  
**Backend:** FastAPI, Node.js, REST APIs, microservices  
**AI/ML:** PyTorch, OpenAI/Claude APIs, RAG pipelines, prompt engineering  
**Infrastructure:** AWS (EC2, Lambda, S3), Docker, PostgreSQL, Redis  
**Tools:** Cursor, Lovable, GitHub Actions, Pytest

## EXPERIENCE

<b>Software Engineering Intern (AI/ML)</b> <i>AutoUnify</i>	May 2025 – Aug 2025 San Francisco, CA
– Built model scoring microservice (FastAPI, PostgreSQL) on Vertex AI tracking accuracy, p50/p95 latency, and cost per 1K tokens across production LLM endpoints.	
– Used <b>Cursor (Claude)</b> for API design, test generation, and code review, accelerating iteration while maintaining production quality.	
– Implemented CI gates (pytest, lint, JSON Schema) with regression thresholds; authored reusable prompt packs reducing manual corrections by <b>25%</b> .	
<b>ML Research Team Member — Amazon Nova Trusted AI</b> <i>Virginia Tech (Team HokieTokie)</i>	Jan 2025 – Jun 2025 Blacksburg, VA
– Placed <b>1st</b> (Tournament 2) and <b>2nd</b> (Tournament 1); built evaluator components reducing jailbreak success by <b>46%</b> .	
– Built data pipelines generating adversarial prompts across <b>100+ CWE</b> and <b>83 MITRE ATT&amp;CK</b> behaviors with CI-backed analysis.	
– Co-designed evaluator APIs and documentation enabling fast, reproducible extensions by other research teams.	
<b>Intelligent Process Automation Intern</b> <i>Colgate-Palmolive GBS</i>	Jan 2024 – Jun 2024 Mumbai, India
– Built <b>3 production chatbots</b> (HR, IT, procurement) with FastAPI, automating <b>70%</b> of inquiries and saving <b>200+ hours/month</b> across 400+ employees.	
– Reduced response time from 30s to 10s using Redis caching and async I/O on <b>1K+ daily interactions</b> .	
– Built monitoring dashboards with incident runbooks, reducing mean time to resolution for operations team.	

## PROJECTS

<b>LunaFlow — Cycle-Aware Planning Platform</b> <i>React, Node.js, Python/FastAPI, Docker, Google Gemini, ElevenLabs</i>	[GitHub] [Demo]
– Built planning system in <b>24 hours</b> with 4 integrated views (calendar, Kanban, brainstorm, vision board); implemented bidirectional Google Calendar/Tasks sync via OAuth 2.0 eliminating duplicate data entry across platforms.	
– Architected multi-service system (React, Node.js gateway, Python/FastAPI AI) with Google Gemini for task extraction from voice (ElevenLabs) and natural language symptom tracking; deployed at <b>lunaflow.work</b> with CI/CD, health checks, and automated rollback.	
<b>CareRoute — Multi-Agent Medical Tourism Orchestrator</b> <i>FastAPI, PostgreSQL, A2A SDK, Docker, AWS EC2</i>	[GitHub]
– Built orchestration system in <b>36 hours</b> at Codefest 2025 (4th Place) coordinating <b>6 agents</b> (flight monitoring, voice calls, notifications, hotel, hospital, accessibility) via JSON-RPC 2.0; successfully processed <b>12 end-to-end test bookings</b> with real voice calls and emails.	
– Implemented workflow automation (flight ETA triggers), retry logic, HIPAA-compliant audit logging, and APScheduler for background jobs; deployed to AWS EC2 with PostgreSQL and Flutter frontend; used <b>Lovable</b> and <b>Cursor</b> for rapid development.	

## ACHIEVEMENTS & AWARDS

- **Amazon Nova Trusted AI Competition:** 1st Place (Tournament 2), 2nd Place (Tournament 1)
- **Codefest 2025 (Marriott):** 4th Place + Honorable Mention