

Koushik Gautham Hariharan

+91 72002-49180 koushik.gautham@gmail.com
linkedin.com/Koushikgautham github.com/Koushikgautham

Education

Hindustan Institute of Technology and Science <i>Bachelor of Technology in Computer Science Engineering in AI and DS</i>	Sept 2022 - Present Chennai, India
Shibaura Institute of Technology <i>Bachelor of Technology in Computer Science Engineering - Exchange student</i>	Sept 2024 - July 2025 Tokyo, Japan

Projects

Chopsticks Game National Level Skill-a-thon 2023 Winner Unity, C#, Aseprite	
<ul style="list-style-type: none">Designed and developed a pixel-style strategy game using Unity Engine, Aseprite, and C#.Secured first place at the <i>National Level Skill-a-thon 2023</i> held at Hindustan University, Chennai.	
Financial Advisor Automation System Business Automation Next.js, n8n, Gmail API	
<ul style="list-style-type: none">Developed an end-to-end automation system for a financial advisor to streamline order management and client communication.Implemented automated email parsing to fetch and process orders, with intelligent tagging and dashboard integration for real-time tracking.Built automated email response system that triggers when the advisor accepts orders	
Marti – Mart for Artisans Google Gen AI Challenge 2025 Flutter, Firebase, Gemini API, Google Cloud	
<ul style="list-style-type: none">Built an AI-driven marketplace empowering local artisans to showcase and sell handcrafted products.Implemented core features including Collaborate, Craft-it, and Product Legacy to enable collaboration and product storytelling.Enhanced artisans' digital presence and customer engagement through AI-based personalization and cloud integration.	
Archi LLM Diagram Generation AI System	
<ul style="list-style-type: none">Built an adaptive AI system for generating flowcharts, architecture diagrams, and mind maps with coherent structure and readable layouts.Supported both text prompts and file-based inputs (PPT/PDF/code), enabling automated extraction and diagram synthesis from real user content.	
Adversarial Prompt Detection using Pre-Trained Language Models Python, JSON, Gemini API, Mesop	
<ul style="list-style-type: none">Researched methods to detect and mitigate adversarial prompts that bypass LLM security layers.Proposed a fixed-parameter model as a prompt filter, achieving a 20% reduction in LLM load and 90% decrease in adversarial inputs.	

Professional Experience

Automation Freelancing	Sept 2025 - Present Chennai, India
Hexor Tech	
<ul style="list-style-type: none">Developing scalable web and mobile applications with modern tech stacksImplementing AI/ML solutions and automation workflows using n8nManaging Cloud infrastructure and DevOps pipelines	
Advisor of Google Genesis Club	Sept 2025 - Present Chennai, India
<i>Hindustan Institute of Technology and Science</i>	
<ul style="list-style-type: none">My role as an Advisor was to ensure that the club is functioning properly and to help the team problem-solve.	

Technical Skills

Languages: C#, C++, C, Java, Python, Flutter, HTML/CSS, R
Developer Tools: Unity Engine, Aseprite, Blender, Figma, FlutterFlow, Canva
Cloud & DevOps: Docker, Supabase, Google Cloud, Zoho Catalyst, Git, AWS
Testing: Playwright, Postman, Github Actions
Productivity: Notion, MS Excel, Powerpoint, Word, VS Code
AI Tools: Claude Code, Cursor AI, Github Copilot, OpenAI