Koushik Gautham Hariharan

📞 +91 72002-49180 ✉ koushik.gautham@gmail.com
in linkedin.com/Koushikgautham ⭘ github.com/Koushikgautham

Education

Hindustan Institute of Technology and Science   Sept 2022 - Present
Bachelor of Technology in Computer Science Engineering in AI and DS   *Chennai, India*

Shibaura Institute of Technology   Sept 2024 - July 2025
Bachelor of Technology in Computer Science Engineering - Exchange student   *Tokyo, Japan*

Projects

Chopsticks Game | *National Level Skill-a-thon 2023 Winner* | *Unity, C#, Aseprite*
- Designed and developed a pixel-style strategy game using **Unity Engine**, **Aseprite**, and **C#**.
- Secured first place at the *National Level Skill-a-thon 2023* held at Hindustan University, Chennai.

Run Boy Run | *National Level e-Luminate 2024 Winner* | *Unity, C#, Aseprite*
- Developed an award-winning 2D pixel platformer featuring original game mechanics, assets, and logic built in **Unity**.
- Won the *National Level e-Luminate 2024 Digital Design Competition* for innovation and gameplay experience.

Marti – Mart for Artisans | *Google Gen AI Challenge 2025* | *Flutter, Firebase, Gemini API, Google Cloud*
- 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*
- 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*
- 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

Co-founder   January 2026 - Present
Hexora Digital Transformation Partners   *Chennai, India*
- Developing scalable web and mobile applications with modern tech stacks
- Implementing AI/ML solutions and automation workflows using **n8n**
- Managing **Cloud infrastructure** and **DevOps pipelines**

Advisor of Google Genesis Club   Sept 2025 - Present
Hindustan Institute of Technology and Science   *Chennai, India*
- 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