GEEVE GEORGE

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EDUCATION

Hong Kong University of Science and Technology (HKUST) — Current
PhD Student, Machine Learning & HCI — Advisor: Prof. Huamin Qu — *Hong Kong*
- Focus: LLMs, Group Relative Policy Optimization (GRPO), Diffusion Models.
- **Coursework:** High Performance Computing, Advanced Computer Vision, Reinforcement Learning.

Anna University — 2017 – 2021
Bachelor of Computer Science Engineering — *India*

EXPERIENCE

Bluebrain HK — Aug 2025 – Present
Founder & Lead Research Scientist — *Hong Kong*
- Founded AI research org with PhDs from Alibaba/MiniMax to develop robotics & generative models.
- Architecting **Omni-models** and real-time video generation pipelines optimized for constrained compute.

Helium Robotics — Jun 2023 – Aug 2025
Head of Robotics — *Hong Kong / Remote*
- Led 10 engineers to build **Lamp-E**, an embodied AI lamp with spatial awareness and emotional emulation.
- Developed efficient Vision-Language-Action (VLA) models running solely on **NVIDIA Jetson Nano**.
- Implemented Sim2Real pipelines using **NVIDIA Isaac Sim** for RL policy transfer to physical hardware.
- Oversaw hardware-software co-design, including custom PCB fabrication and CV subsystems.

Bhindi.io — Jun 2024 – Aug 2025
Lead Engineer & Architect — *Hong Kong*
- Built world's first **Agentic Wearable**, aiding **$4M USD** pre-seed raise.
- Engineered on-board LLM firmware and integrated 200+ APIs for autonomous complex voice workflows.

Miko.ai — May 2021 – Jun 2023
AI Researcher — *Mumbai, India*
- Implemented RAG pipelines to enhance long-term memory for conversational agents.

PUBLICATIONS & DEMOS

Eleuto: A Non-invasive Computer Interface for Paralyzed Users — Dec 2025
NeurIPS 2025 Workshop on Foundation Models for the Brain and Body — *San Diego, CA*
- Accepted to **BrainBodyFM** Demos Track. — [Accepted Demos Link]

SELECTED PROJECTS

- **Meta Project Aria Partner:** Sole HK research partner; developing eye-tracking assistive tech (Eleuto).
- **Stable Craiyon:** Combined Stable Diffusion and DALL-E Mini for optimized text-to-image synthesis (100+ Stars).
- **Panini-Net:** Designed a GAN-based framework for high-fidelity face restoration and detail recovery.

TECHNICAL SKILLS

- **Languages:** Python (Expert), C++ (Advanced - Firmware/Robotics), CUDA, Java.
- **Frameworks/Tools:** PyTorch (Expert), Isaac Sim, TensorRT, TensorFlow, JAX, Hugging Face.
- **High Performance AI:** Edge Optimization, Quantization, LoRA/QLoRA, Speculative Decoding.
- **Architectures:** VLAs, Diffusion Transformers, LLMs, RAG, GANs.

SELECTED AWARDS & HONORS

- **HKSTP Techathon 2025 Winner** - 1st Place (Top 0.05%) among 2,000+ participants.
- **HKUST Hultz Prize Winner 2025** & **Lo Kwee Seong TechShip** (USD 25,500 Award).
- **RedBird PhD Award (2023)** - USD 5,130 Scholarship & Full Tuition Waiver.
- **Intel ISEF 2017** - 2nd Place Grand Award (USD 2,000); Minor planet named by MIT Lincoln Labs.