

Awards and Honors

- 2026 **Awarded by the Governor of Uttarakhand, India**, for developing EternalGuru.AI; **Employee of the Month**, Unineed Limited; **Grand Prize Winner**, The Climate Change-Makers Challenge; **Full grant (€1,400)**, HiPEAC, to attend ACACES 2026.
- 2025 **Best of the Rest**, Climate Change Maker Challenge; **3rd Prize**, Animal Hacks; **Winner**, AI in the Outback.
- 2024 **Best Paper in Track**, IEEE RTSI; **Employee of the Month**, Unineed Limited; **2nd Prize**, IEEE Poster Presentation; **Youth STEM Changemaker**, Youth STEM 2030; **Best Pitch**, Pitch for Earth, Sweden.
- 2023 **Winner**, Hack for Earth (invited to work with UNICEF); **Runner-up**, Amazonia Hack (Earth Hacks, Brazil); **Runner-up**, Code to Give (Morgan Stanley, UK); **Winner**, FDM Design Challenge, Glasgow; **Mystery Award Winner**, Climate Change Maker; **Best Chinachem Group Award** and **Most Innovative Award**, PolyHack, China.
- 2022 **Best of the Rest**, Climate Change Maker (YIC, Canada); **Design Your Future Award**, MakeUC (University of Cincinnati); **Winner**, Amazonia Hack 1.0; **First Position**, Healthcare Ideation, MED INVADE (SMR, India).
- 2021 **Inequality Track Winner** and **Best Media Hack**, HackDuke (Duke University); **Winner**, HackTCMX; **Winner**, BioHacks (UC Riverside); **Winner**, MakeMIT (MIT); **Runner-up**, Synaptic Hacks.
- 2020 **Best Research Paper Award**, ICACCE; **All India Rank 12**, IEEEExtreme 14.0.
- 2019 **Best Research Paper Award**, 5th ICCCS; **All India Rank 26**, IEEEExtreme 13.0; **Merit-based scholarship** (top 5 in class).

Leadership and Service

- 2023–Present **Organizer**, Google Developer Group Glasgow
- 2021–Present **Founder**, Mcurio and ClimateThread (*education access and climate-tech initiatives; presently non-trading*)
- 2024 **Youth STEM Changemaker**, Youth STEM 2030
- 2021–2022 **Technology Lead**, POWAN (*website rebuild and K-12 C++ programming bootcamp*)
- 2021 **Technical Lead**, LetsGrowMore (*Hosted a 2-month open-source programme with 5,000+ participants*)
- 2021 **Content Co-Director**, RadScholars; **Policy for People Fellow**, Harvard Innovation Labs
- 2019–2021 **Secretary**, IEEE Student Branch, BTKIT (*student coordinator for two international faculty development programmes*)

Publications

- 2026 **Towards Autonomous Accelerator Design: FPGA Accelerator Generation with SECDA.**
Sharma, V; Fu, X; Haris, J; Cano, J. MLArchSys at ISCA. arXiv:[2606.11117](#)
- LLM-Driven Design Space Exploration of FPGA-based Accelerators.**
Sharma, V; Fu, X; Haris, J; Cano, J. InSyDe at EuroSys. arXiv:[2605.05920](#)
- Device-Aware Distillation of Small Language Models for Efficient Edge Intelligence.**
Sharma, V; Pau, D; Cano, J. Eighth MobiUK, University of Cambridge, UK. [PDF](#)
- 2025 **Biases in Edge Language Models: Detection, Analysis, and Mitigation.**
Sharma, V; Pau, DP; Cano, J. EDGE AI Research Symposium. arXiv:[2502.11349](#)
- EdgeAI Models for Human Activity Recognition on Low-Power Devices.**
Sharma, V; Pau, D; Cano, J. Seventh MobiUK, University of Edinburgh, UK. [PDF](#)
- 2024 **Efficient Tiny Machine Learning for Human Activity Recognition on Low-Power Edge Devices.** **[Best Paper Award]**
Sharma, V; Pau, D; Cano, J. IEEE 8th Forum on Research and Technologies for Society and Industry Innovation (RTSI), pp. 85–90. doi:[10.1109/RTSI61910.2024.10761203](#)

Student Co-supervision

- 2025–2026 **Vaishnav Veeraraghavan Prasad**, MSc Computing Science, University of Glasgow.
Thesis: *Model-Agnostic Structured Pruning and Recovery for Edge Deployment of Sub-7B Language Models.*
- Matty Hughes**, Undergraduate, University of Glasgow.
Project: *LLM Systems for Design Space Exploration.*