

Agastya MUDGAL

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Education and Qualifications

2024 – June 2026	Monash University (AU)	Bachelor of Computer Science (Advanced Algorithms Major)
Other:	ACS International (SG)	

Work Experience

Feb 25 – Sept 25	GoComet Global SaaS platform optimizing cross-border logistics, freight intelligence, and trade automation. <i>Product @ Founders office</i> Drove product strategy and analytical initiatives to scale GoComet's EXIM business in APAC.	Singapore, Singapore
	<ul style="list-style-type: none">Defined product strategy and analyzing operational bottlenecks across \$10M+ in trade flows and benchmarking competitors; insights shaped the Southeast Asia product roadmap.Consolidated feedback from 100+ traders, ops teams, and engineers into actionable proposals, leading to 7+ roadmap initiatives improving client retention outlook by 20%.Collaborated with operations and finance teams to align solutions with key KPIs, facilitating rollout across multiple countries.	
June 25 – Aug 25	Arise IIP Industrial developer in Africa driving manufacturing, logistics, and infrastructure digitalization. <i>Software Engineering Intern</i> Built optimisation tools improving transport uptime and efficiency.	Libreville, Gabon
	<ul style="list-style-type: none">Developed and deployed a MILP-based route optimisation system (CBC solver + greedy heuristics), increasing weekly profit margins by 17%.Built a bilingual real-time maintenance tracking dashboard, reducing downtime by 30%.Partnered with leadership to refine metrics and prioritize features, ensuring alignment between commercial objectives and scalable product delivery.	
June 24 – Aug 24	TimberEye AI-powered raw materials platform streamlining traceability & logistics for global supply chains. <i>Software Engineer Intern</i> Developed core automation software features for the AI powered platform.	San Francisco, CA, USA
	<ul style="list-style-type: none">Built a GCS-integrated drag-and-drop file interface improving data accessibility and workflow efficiency by 40%.Led technical documentation and cross-functional sprints with design and product teams to iterate UI/UX improvements.Contributed to the platform's scalability roadmap through structured code optimisation and modular testing.	
Nov 22 – Jan 23	11point2 Builds and validates ventures for organisations, accelerating innovation from idea to launch. <i>Engineering Intern</i> Modelled decarbonisation projects shaping investment strategy and idea validation.	Adelaide, South Australia, Australia
	<ul style="list-style-type: none">Modelled techno-economic cases for \$500M+ decarb projects, delivering insights that informed board-level investment decisions.Proposed strategic CAPEX and operational optimisations, supporting global decarbonisation mandates.Coordinated across engineering and finance to deliver high-impact modelling tools for client proposals.	

Additional Information

Skills:

Coding: C++, C, Python, Java, Solidity, HTML, CSS, PHP, JS/ TS, Swift.

Frameworks & Tools: CRM, Streamlit, OR Tools (CBC solver), Agile/Scrum, AI-powered research/outreach tools.

Product & Business: Product strategy, GTM, Techno-economic modelling, Market intelligence, UI/UX, Logistics optimisation, Renewable energy modelling, Supply chain, Stakeholder engagement.

Soft Skills: Cross-functional collaboration, Data storytelling, Research, Leadership.

Relevant Experience: *Product lead* at a MedTech startup ('23-'24 **TenetIQ**), Green ride sharing app ('25-'26); Web platform for South Australian environmental laws ('23); Booking systems; General Secretary of University of Adelaide ('22-'23, transferred from EEE to CS @ Monash).

Nationality:

Singaporean, UAE golden visa, AU student | **Languages:** English (native); Hindi (Fluent); Spanish (basic)

Interests:

Football, Tennis, Surfing, Stocks, Horology, Business news, Stocks, AI (agents & expansions)

Certifications:

SMU (SG) AI for businesses.