# Agastya MUDGAL

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## Education and Qualifications

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

## Work Experience

**Feb 25 – Sept 25**  **GoComet**                                Singapore, Singapore
Global SaaS platform optimizing cross-border logistics, freight intelligence, and trade automation.
*Product @ Founders office*
Drove product strategy and analytical initiatives to scale GoComet's EXIM business in APAC.
- 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**                                Libreville, Gabon
Industrial developer in Africa driving manufacturing, logistics, and infrastructure digitalization.
*Software Engineering Intern*
Built optimisation tools improving transport uptime and efficiency.
- 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**                                San Francisco, CA, USA
AI-powered raw materials platform streamlining traceability & logistics for global supply chains.
*Software Engineer Intern*
Developed core automation software features for the AI powered platform.
- 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**                                Adelaide, South Australia, Australia
Builds and validates ventures for organisations, accelerating innovation from idea to launch.
*Engineering Intern*
Modelled decarbonisation projects shaping investment strategy and idea validation.
- 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

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| **Skills:** | ***Coding:*** C++, C, Python, Java, Solidity, HTML, CSS, PHP, JS/ TS, Swift. <br> ***Frameworks & Tools:*** CRM, Streamlit, OR Tools (CBC solver), Agile/Scrum, AI-powered research/outreach tools. <br> ***Product & Business:*** Product strategy, GTM, Techno-economic modelling, Market intelligence, UI/UX, Logistics optimisation, Renewable energy modelling, Supply chain, Stakeholder engagement. <br> ***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. |