

# Agastya MUDGAL

[AgastyaMudgal@outlook.com](mailto:AgastyaMudgal@outlook.com); +61433912598 (AU) / +6594873376 (SG-WhatsApp) / +971582102346 (UAE); [LinkedIn](#)

## 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** 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

**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.