

JIBRAIL BHAGWANDASS

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SUMMARY

Google-certified Project Manager and Mechanical Engineer (BASc, U of T – Mechatronics & Biology) who coordinated \$20M+ in commercial projects and led a 20+ member international robotics team. Combines technical fluency (FEA, controls, mechatronics) with stakeholder management, budgeting, and consistent on-time delivery.

CORE COMPETENCIES

Project Scheduling & Budgeting | Stakeholder & Vendor Management | Risk Mitigation | BIM Coordination | Technical Sales | Cross-Functional Leadership | Agile & Waterfall | ANSYS & SOLIDWORKS | MATLAB & Python | MS Office & Google Workspace

EXPERIENCE

HVAC Engineer / Project Coordinator

Sep 2023 – Sep 2024

HTS Engineering Ltd | Toronto, ON

- Managed design deliverables across a \$20M+ portfolio including Scotiabank Arena and Trillium Peter Gilgan Mississauga Hospital.
- Owned end-to-end project timelines from schematic design through construction documents; delivered 100% of milestones on schedule.
- Prepared and defended multi-phase project budgets, aligning equipment selections with client cost targets through value engineering.
- Coordinated across architects, general contractors, and subcontractors to resolve BIM clashes before site work, avoiding costly rework.
- Led technical sales presentations translating thermal loads and equipment sizing into business value propositions for building owners.

Biomedical Engineer

Aug 2025 – Nov 2025

Eye See You Ophthalmic | Trinidad & Tobago

- Planned and executed a service campaign across 5+ Caribbean hospitals – managed logistics, scheduling, and international parts procurement.
- Delivered 15+ equipment installations and repairs with zero rework callbacks via standardized QA checklist and sign-off process.
- Authored clear service reports for non-technical hospital administrators, ensuring transparency on timelines, costs, and next-maintenance schedules.

LEADERSHIP & PROJECTS

Team Captain – FIRST Global Robotics Competition

2019

Team Trinidad and Tobago | Dubai, UAE

- Led 20+ members through a compressed 6-week design-build-test sprint across mechanical, electrical, and software sub-teams.
- Managed team budget, task allocation, and risk mitigation; won the Safety Award for documentation and inspection readiness.

Global Medic's Fire Skid Redesign

2023

University of Toronto – Community Partner Project

- Scoped, scheduled, and delivered a mechanical redesign for a humanitarian NGO; applied value engineering to cut material costs while passing ANSYS FEA validation.

Blue-Sky Solar Racing – Structures & Fabrication

2022–2023

University of Toronto Engineering Design Team

- Coordinated fabrication schedules and material procurement within a 20+ member sub-team to meet the 2023 World Solar Challenge deadline.
- Bridged design and manufacturing teams by translating FEA results (ANSYS/SOLIDWORKS) into shop-floor fabrication instructions.

Rovers for Space Exploration – Electrical Team

2022–2024

University of Toronto Engineering Design Team

- Managed PCB design deliverables within a multidisciplinary team, balancing schedule pressure against technical requirements for competition readiness.

EDUCATION

BASc, Mechanical Engineering | Minor: Robotics

2025

University of Toronto – Specialization: Mechatronics & Biology | Certificate in Business

Key Courses: Mechatronics Systems Design, Finite Element Methods, Kinematics & Dynamics, Machine Learning, Biomechanics

CERTIFICATIONS

Google Project Management Certificate | CSWA (Dassault Systèmes) | Google Introduction to AI