Emanuel Molla

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Technical Skills

- **Languages:** JavaScript, TypeScript, Python, C++, Java, HTML, CSS
- **Frameworks & Libraries:** Node.js, Express.js React, Tailwind CSS, jQuery, EJS
- **Databases:** MongoDB, Firebase, MySQL, SQL Server
- **Tools:** Git, GitHub, Postman, Render, Netlify
- **Certifications:** IBM Full-Stack JavaScript Developer, Google Data Analytics Professional Certificate

Projects

Personal Projects

DevNest – Full-Stack Project Management App (devnest.molla.dev)   *Jun–Jul 2025*

- Designed and built a fullstack project management app for notes, tasks and sprint planning for developers
- Integrated **Gemini API** to auto-generate sprint tasks from project context ,with robust JSON parsing and validation to create tasks in bulk.
- Built backend (**Express**, **MongoDB**) with modular APIs and **JWT** auth; frontend (**React**, **Tailwind**) with responsive, data-driven dashboards and a code-friendly rich text editor
- Built task and sprint systems with calendar views, and filtering options

Academic Projects

Scholiast – AI Study Companion App (BCIT · Backend Developer)   *May–Jun 2025*

- Contributed to the development of a collaborative study platform that generates **quizzes, flashcards, and summaries** from YouTube videos and PDFs using GPT APIs
- Implemented **CRUD APIs** and **middleware authorization** for generated content.
- Worked closely with frontend and AI logic teams in a 5-person team
- Used Node.js, Express, MongoDB, and version control through GitHub

Community Cart – Group-Based Shopping App (BCIT · Lead Developer)   *Jan–Apr 2025*

- Led a team to build a group-buy platform where shoppers pool orders to reach bulk discounts and split cost
- Designed a serverless application using **Firebase** (Authentication, Firestore Database)
- Implemented user collaboration and group management logic
- Led sprint planning and code reviews to coordinate team efforts

Garage Queue System (Bahir Dar University · DSA)   *Nov-Dec 2022*

- Built a console-based application in **C++** to simulate a garage's customer queue using linked lists
- Applied concepts of OOP and control flow to manage queue operations and service logic
- Reinforced skills in command-line development, debugging, and basic algorithm design

Work Experience

Pipe Fitter and Technician   *Oct 2023 - Present*

Preet Plumbing Heating and Sprinklers Ltd - Vancouver, BC

- Took initiative to **identify and resolve on-site issues quickly**, ensuring timely project completion and safety compliance
- **Trained 3+ new employees**, sharing best practices to follow in the work environment
- Actively reported site issues and worked with senior staff on resolutions
- Recognized early for **fast learning and work ethic**, contributing to high team performance in physically demanding conditions

Education

Diploma in Computer Systems Technology (*Current GPA*: 93%)   *Jan 2025 - Dec 2026*

British Columbia Institute of Technology (BCIT), Vancouver, BC

Bachelor of Science in Information Systems (*CGPA*: 3.62 - Completed 3 years)   *Jul 2021 - Jul 2023*

Bahir Dar University, Bahir Dar, Ethiopia

Relevant Courses: Internet Programming, Advanced DB Systems, Mobile App Dev, Data Structures