

Tarun Kuddu

tarunkuddu@gmail.com | github.com/TarunK-EE | linkedin.com/in/tarunkuddu | +1 (365)-440-7141 | Toronto, ON

EDUCATION

Bachelor of Engineering (BEng) Electrical Engineering

Sept 2022 – Apr 2026

York University | Lassonde School of Engineering

Toronto, ON

Relevant Courses: Electrical Circuits, Electronic Circuits and Devices, Computer Organization, Signals and Systems, Introduction to Embedded Systems, Object Oriented Programming from Sensors to Actuators

Extracurriculars: High-Ranking Member of Boxing at York Club (BAY), Captain of a soccer intramural team

PROJECTS

Remote-Controlled Stepper Motor | Arduino Uno, Aduino Language, IR Sensor, IRremote lib, Stepper lib

- **Designed and implemented** a system using an Arduino Uno to control a stepper motor via IR remote, showcasing proficiency in electronic circuit design and hardware interfacing.
- **Achieved** precise control over the motor's rotational movements (clockwise and counterclockwise), enhancing device usability and interaction.

Automated watering system | Arduino Uno, Java, MATLAB, Firmata

- **Developed** a Java/MATLAB program to automatically control a soil moisture sensing system via Arduino, demonstrating skills in cross-platform software development and IoT applications.
- **Enabled** long-term monitoring and automatic watering of plants based on soil moisture levels, significantly improving plant care efficiency.

CAD Cabinet Design | SolidWorks, Engineering Design, Technical drawings

- **Incorporated** real-life measurements and scale into CAD designs using SolidWorks, focusing on the accuracy of technical drawings for manufacturing.
- **Ensured** designs included detailed specifications for components (e.g., hinges, screws, drawer mechanisms), facilitating straightforward manufacturing and assembly.

LEADERSHIP

Gate Gourmet Member

April - Sept 2022

- **Directed** a team of four, coordinating efficient assembly and preparation of airline trolleys, showcasing leadership and teamwork in a high-pressure environment.
- **Managed** tight schedules to prevent flight delays, ensuring operational efficiency and punctuality, which contributed to the overall satisfaction of airline clients.
- **Prioritized** and allocated tasks effectively under significant pressure, demonstrating exceptional organizational skills and adaptability to meet critical deadlines.

SKILLS

Languages: Java, Python, MATLAB, RISC-V Assembly, C++, C

Tools: IntelliJ, Visual Studio Code

INTERESTS

- Interested in *Embedded System applications*
- Curious about how electronics work in the deepest level
- Chess enthusiast