

# AMEY DHAMGUNDE

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## EDUCATION

University of Toronto, St. George

**B.A.Sc in Engineering Science, Machine Intelligence**

Sept 2020 – Apr 2025    Toronto, Ontario

- 3.5 GPA, 2x Dean's Honour List
- **Related courses:**  
Machine Learning, Artificial Intelligence, Neural Networks & Deep Learning, Computer Algorithms & Data Structures: **98%**, Ordinary Differential Equations: **85%**, Vector Calculus & Fluid Mechanics: **87%**, Electricity & Magnetism: **92%**

## EXPERIENCE

R&D Software Validation Intern

**GE Grid Solutions**

June 2022 – Sept 2022    Markham, Ontario

- Developed scripts automating software validation procedures relating to backwards compatibility and stress testing
- Designed remote user interfaces for long-distance data display and control of 8-series relays
- Created monitoring panels to cohesively display information from multiple runtime units
- Reduced the demand for new testing units by refurbishing 80+ 8-series relays, allowing manufacturing to focus on delivering units to customers and decreasing the estimated lead time
- References: Michael Pilon (michael.pilon@ge.com)

R&D Software Validation Tech Co-op

**GE Grid Solutions**

June 2021 – Sept 2021    Markham, Ontario

- Employed agile innovation with incremental and iterative approaches to develop new communications between devices on the Industrial Internet of Things (IIoT)
- Assembled multiple relay units for testing
- Conducted rigorous software and firmware tests on upcoming product releases
- Discovered and reported issues to firmware development teams
- Streamlined testing procedures by programming software to automate device setup protocols
- References: Michael Pilon (michael.pilon@ge.com)

Coding Instructor

**Code Ninjas Aurora**

Aug 2019 – Aug 2020    Aurora, Ontario

- Taught children from the ages of 8-14 programming in languages such as Javascript, C#, and Scratch
- Encouraged and evaluated students as they advanced through the curriculum
- References: Donald Feng (donald.feng@codeninjas.com)

## SKILLS

Engineering    Teamwork    Adaptability  
Problem Solving    Communication

**Programming Languages:**

Python    Tensorflow    Git    React  
HTML/CSS    Javascript    C/C++

github.com/ameydhamgunde

## HONORS & AWARDS

**DECA ICDC 2019**

May 2019    Orlando, Florida, US

- 1st Place International, 1st Place Provincial
- DECA's International Career Development Conference (ICDC) is a business case competition with over 200,000 competitors.
- Won first place internationally in the Buying and Merchandising Operations Research (BMOR) category in 2019.

**Hack the North 2019**

Sept 2019    Waterloo, Ontario

- Hack the North 2019 Finalists, Algorand Build on Blockchain API Prize
- Hack the North is a hackathon hosted by the University of Waterloo, with over 1500 competitors.
- Won multiple prizes for creating AlgoFund, a decentralized bounties platform.
- devpost.com/software/algofund

## ACTIVITIES

Competitive Soccer

**Markham FC, Stouffville SC**

2012 – 2019    Markham, Ontario

- Played competitive soccer at a provincial level for 8 years at Markham FC and Stouffville SC, winning tournaments and developing skills such as teamwork, communication, and persistence.

SHAD

**Queens University**

June 2019    Kingston, Ontario

- Attended SHAD, a STEM and entrepreneurship program comprising of a design project and thought provoking lectures and workshops.