

# Abhijay (AJ) Shandilya

647-332-0108 | [shandilyaabhijay@gmail.com](mailto:shandilyaabhijay@gmail.com) | <https://www.linkedin.com/in/abhijayshandilya> | <https://github.com/dev-aj0>  
<https://abhijayshandilya.com/>

## EDUCATION

### St. Augustine Catholic High School

10th Grade Student

Toronto, Canada

Sept. 2023 – June 2027

### The Knowledge Society

Alum/Activate

Toronto, Canada

Sept. 2023 – June 2025

## EXPERIENCE

### Venture Scout

LvlUp Ventures

Jan. 2024 – Present

Toronto, Canada

- Scouting aspiring tech startups for the firm to invest in
- Attending monthly meetings for venture scouts.

### Freelance Web Developer

Self-Employed

Jan. 2024 – Present

Remote

- Made cold calls to various local businesses and offered to build websites.
- Crafted these websites to the business expectations and constantly refined it until they were satisfied.
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

### Assistant Teacher

Spirit of Math

Sept. 2023 – Jun. 2024

On-Site

- Assisted in the teaching of mathematics to 2 classes, each with a classroom size of 20 kids.
- Helped kids with mathematical inquiries, managed grades, managed classrooms, talked to parents.

### Consulting Intern

Microsoft

Mar. 2024 – Apr. 2024

Remote

- Worked alongside Microsoft in order to increase efficiency within AI and energy costs optimization, specifically optimizing their datacentres.
- Highlighted the idea of underwater data centers and focused on the AI budget in an environmentally friendly manner. Leveraged cooling properties and reducing energy consumption and operating costs.
- Crafted recommendation statistics, analytics and compiled it all into a slide deck for Microsoft engineers to use.
- Courtesy of TKS.

### Consulting Intern

Google

Oct. 2023 – Dec. 2023

Remote

- Worked alongside Google to increase efficiency within product management ecosystem. Communicated with technical, marketing, and go-to-market team members.
- Crafted recommendations including utilizing AI to ensure consistency within ads (web-scraping with AI), a universal update terminal
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus
- Courtesy of TKS.

## PROJECTS

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- Constantia** | *Python, GoLang, CrewAI, Tensorflow, Git* June 2024 – Present
- Developing a tool for companies to use to verify that their ads on the internet reflect their product accurately
  - Helps identify market anomalies by indulging in a visual summary
  - Helps technical teams and marketing teams stay in sync and dissolves discrepancies faced within a company
- EcoSearch** | *Python, dWave, Flask, Git* September 2023
- Developed a program to help formulate an efficient path for drivers to take while not carrying riders, to optimise the driver's fuel usage, time, and rider pickups
  - Utilised quantum annealing technology to develop this using the dwave ocean sdk
  - Allowed requests to be made with localhost
- Pneumonia Detector** | *Python, Tensorflow, Git, Google Colab* Aug. 2023 – Present
- Developing a tool for companies to use to verify that their ads on the internet reflect their product accurately
  - Helps identify market anomalies by indulging in a visual summary
  - Helps technical teams and marketing teams stay in sync and dissolves discrepancies faced within a company

## RECENT AWARDS

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- WOSO Sr. Quarter-Finalist** | *Debate Tournament* Jul. 2024
- Quarter-finalist in the senior section of a debate tournament hosted by the University of Waterloo. (Waterloo Online Summer Open)
- HHSO Jr. Semifinalist** | *University of Waterloo* Jun. 2024
- Semi-finalist in the junior section of a debate tournament hosted by the University of Toronto.
- IYNA** | *International Youth Neuroscience Association* March 2024
- Was a finalist for a neuroscience competition that involved highschoolers and university students.
  - Ideated the concept of "Deciphering the Complexity of Neurodegenerative Diseases Through Temporal Network Analysis".

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, Dart, HTML/CSS, Go-Lang, Kotlin  
**Frameworks:** React, Node.js, Flask, D-Wave, Flutter  
**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, Figma, PyCharm, IntelliJ, Eclipse  
**Libraries:** pandas, NumPy, Matplotlib, PyGame, Tensorflow, Pytorch