

# RAVIN KUMAR

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## SUMMARY

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An undergraduate Computer Science major who is passionate about programming and problem-solving. I am quick to pick up new libraries and frameworks with 5 years of Python experience. Expected to graduate in 2027.

## EDUCATION

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### Doha College

*September 2014 - June 2023*

Obtained A-Levels in Math, Further Math, Physics and Computer Science

### Carnegie Mellon University

*August 2023 - Present*

Freshman Undergraduate

Computer Science Major

## STRENGTHS

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### Programming Languages

Python, C++

### Software & Tools

GitHub, HTML, CSS, LaTeX, Excel, Word, Google Workspace

## PROJECTS

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### Seizure Detection AI

**January 2022 - April 2022**

- Wrote Python code to generate an AI model that analyzed EEG data to detect areas of seizure activity

### Smartwatch program

**January 2023 - Present**

- Writing C++ code for a smartwatch running on an ESP-32 microprocessor
- Uses the Arduino platform

## SKILLS

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**Leadership** - Led a team of seven in Ritangle math competition

**Collaboration** - Worked in a group of two to win third place in Qatar University's AI competition

**Problem-solving** - Used problem-solving to optimize custom low-level code for a smartwatch

## ACADEMIC ACHIEVEMENTS

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**3rd place in Qatar University's 2022 International Artificial Intelligence Competition track 2**

**Reached stage 3 in Ritangle 2022 math competition**

**Achieved Gold in UKMT math competition**

## EXTRA-CURRICULAR

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**Recreation tennis**

**Participated in CMU-Q's Alice programming competition**

**Participated in the Doha College chess club**