# ADIB AHMADI

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## Skills

- Python programming | Object oriented programming | Sql | Data analysis | Collaboration and teamwork | C Programming
  English, Kurdish, Persian — all professional *proficiency*

## Experience

**Student** University **09/2022 - Current**

- Completed a series of Python coding projects, including:

  - ASCII-Stats: Created a Python program to analyze a text file and calculate the frequency of each ASCII character.
  - Created mRNA translation program with error handling and labyrinth program with path-finding algorithm using Python.
  - Implemented a Python program to identify Armstrong numbers, improving data accuracy.
  - Implemented SELO method in Python for chess tournament scoring, improving fairness.
  - Freedonia: Created a Python program to process data from a CSV file and generate statistical reports.
  - Magic-Boxes: Developed a Python program to solve a logic puzzle involving a set of magic boxes.
  - Munodi: Implemented a Python program to search a graph data structure and find the shortest path between two nodes.
  - Strawberry: Created a Python program to process and analyze data from a CSV file containing strawberry yield data.
  - Worms: Developed a Python program to simulate a game of Worms, including game mechanics and physics calculations.
  - Playfair Cipher: Created a Python program to encrypt and decrypt text using the Playfair cipher algorithm.
  - Covalent Bonds: Developed a Python program to simulate covalent bonding between atoms and calculate bond energies.
  - Random Monoalphabetic Cipher: Implemented a Python program to encrypt and decrypt text using a random monoalphabetic cipher.
  - Created Python program using dictionaries/sets to find labyrinth exit from any point by reading/processing text files.
  - Gained experience working with Python libraries such as NumPy and Matplotlib to analyze and manipulate data.
  - Developed problem-solving and critical thinking skills by identifying and fixing errors in Python code using debugging tools.
  - Collaborated with classmates on software development projects, including planning, code reviews, and documentation.
  - Gained experience working under pressure to meet project deadlines and deliverables.

## Education

**Bachelor of Computer Engineering** **Politecnico di Torino** *Turin, Italy* **09/2022 - Current**

**Diploma of Physics and Mathematics at superior high school** **Sheikh shaltoot** *Sanandaj,Iran* **09/2014 - 09/2019**

## Summary

• As a highly motivated student with a passion for blockchain technology and open-source software development, I am excited about the opportunity to participate in the Summer of Bitcoin internship program. With a focus on Bitcoin open-source development and design, this internship offers a unique opportunity to further my skills in programming, problem-solving, and collaboration. I am eager to contribute to the program's projects, earn a stipend in Bitcoin, and gain exposure to job opportunities in the industry.