

# Soykat Amin

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## Education

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- MS Sapienza, University of Rome**, Computer Science (in English) Sept 2024 – Present
- Average: 26,4 / 30 (list of exams)
  - Coursework: Data Science, Cybersecurity
- BS Sapienza, University of Rome**, Computer Engineering Sept 2021 – Oct 2024
- GPA: 28,38 / 30 (list of exams)
  - Thesis: MyDrive: An Asynchronous data handling to interface with Google Drive API

## Projects

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- Tennis Bounce Detection** github repo
- Developed an AI model for predicting bounces in a tennis rally. Improved current baseline.
  - Tools Used: Pytorch
- Diffusion model for generating DJ transitions** github repo
- Developed an AI model for generating DJ transitions between music tracks.
  - Tools Used: Pytorch
- Current Meter** github repo
- Developed a current meter using Arduino.
  - Tools Used: C
- Pokémon Battles Prediction Challenge** github repo
- Won the challenge organized by prof. Spinelli by engineering 570 battle-mechanic features.
  - Tools Used: Python, Scikit-learn, XGBoost, LightGBM, CatBoost

## Technical skills

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**Languages:** C++, C, Java, JavaScript, Python, Flask, Ruby On Rails, HTML/JS/CSS

**Data Management:** SQL, PostgreSQL

**Platforms:** Git, Linux, Docker, OPNSense, AWS

**Support Tools:** Makefile, IDA disassembler