

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

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