

MATTIA CURRI

Bachelor Computer Science Student / Software Developer

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🐙 mattiacurri

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📍 Bari, Italy

ABOUT ME

Ciao! I'm Mattia, a Computer Science bachelor student at the University of Bari, Italy. I'm interested in expanding my cultural boundaries, improving my technical and professional knowledge, and learning from a pool of professionals to get things done. I am willing to work in the software development field, although I have little experience, I have a lot of interest and willingness to learn new things. Actually, I'm learning about Machine Learning and Deep Learning after having successfully obtained foundational knowledge about the computer science field, but I'm open to specialising myself in everything.

EDUCATION

Bachelor's Degree in Computer Science (Informatica)

University of Bari Aldo Moro

📅 28.25/30 (above university course mean of 24.7/30)

📅 Sept 2021 - July 2024 (Expected)

- Relevant Courses: Algorithm and Data Structures, Databases, Software Engineering, Advanced Programming Methods, Computability and Complexity, Programming I, Knowledge Engineering, Information Retrieval, Human-Computer Interaction, Computer Networks.

Scientific High School Diploma

Liceo Don Quirico Punzi, Cisternino

📅 100 with Honours/100

📅 Sept 2016 - Jun 2021

- Scientific Diploma with focus on Mathematics and Computer Science

PROJECTS

Corporate Credit Rating Prediction

AI Project

📄 Python Scikit-learn Pandas Pgmpy Imblearn Matplotlib Numpy

🔄 Rating Prediction

- Knowledge Engineering exam project (30 with honours/30)
- The goal of the project is to successfully predict the rating assigned by rating agencies to a company
- Dealed with unbalanced dataset using **Class Weights**, **SMOTE**, **ADASYN**, **SMOTETomek**, **SMOTEENN**
- Implemented a **Bayesian Network** to do probabilistic queries, with a correlation score based on *Balanced Accuracy* of 0.59
- Achieved up to **86% of Balanced Accuracy** using XGBoost and Random Forest

K-Means - Team Project

CLI Application + Android App

📄 Java Spring Boot Android MySQL Android Studio Github Gradle

🔄 Kmeans

- K-means algorithm realized in **Java** for Advanced Programming Methods exam (30 with honours/30)
- Multithreading, client and server, DBMS integration, containers, exceptions, serialization, concurrency
- Base project involved a CLI client/server application, written in Java
- Project extended with a **Spring Boot** server and an **Android client**
- Android UI Design realized using Fragments and Activities. The server handles client calls using concurrent methods and cookies

Battleship - Team Project

CLI Application

📄 Java JUnit Github Git Agile SCRUM Docker Gradle

🔄 Battleship

- Software Engineering exam project (30 with honours/30)
- Battleship game realized in Java in an Agile way according to the **SCRUM methodology**
- Led a team of 5 people through 3 Sprint
- Learned the basics of **Docker**, **Gradle**, **Git** and **Github**
- Written JUnit assertion tests, achieving **97% of test coverage**

Centro Auto Nisi

Website

📄 HTML CSS Mobirise

🌐 Centro Auto Nisi

- Website for an agency for selling and rental of cars
- Mobile-First and responsive website
- **>90 scores in every LightHouse category**

ADDITIONAL

Languages: Italian (mothertongue), English (B2)