

# Manitas Bahri

Joint honours student in Mathematics and  
Computer Science at Paris-Saclay University

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## Academic background

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### Joint honours in Mathematics and Computer Science

[Paris-Saclay University](#) | From 2020 to 2023 in Orsay, France.

### Scientific Baccalaureate - Distinction

[Lycée Antoine de Saint-Exupéry](#) | From 2019 to 2020 in Saint-Raphaël, France.

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## Personal projects

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### Machine Learning model.

Development of a supervised machine learning model to predict the affinity between two individuals during a romantic encounter.

- Development of **data pre-processing** and visualisation tools.
- Dimensionality reduction with **PCA**.
- Managing imbalanced classes: **Undersampling**.
- Implementation of the **Random Forest** algorithm.

Tools: Python, Scikit-Learn, Numpy, Pandas, Matplotlib, Git.

### iOS & Android application

Development of a beauty salon management application including appointment scheduling, employee schedule viewing, and editing of offered services.

- Design of a software architecture and an **MVC** model.
- Creation of the **user interface** and optimization of the **user experience**.
- Database management using **MongoDB**.

Tools: React Native, JavaScript, MangoDB, Git.

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## Competencies

**Mathematics** : Algebra, Analysis, Probability and Statistics.

**Computer languages** : Python, Java, JavaScript, C++, OCaml.

**Networks** : Routing, TCP/IP, Ethical hacking on the root-me.org platform.

**Databases** : Relational algebra, Entity-Relationship Model, SQL.

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## Languages

**French** : Mother tongue

**English** : Intermediate