



# SATHIYADEVAN BANUJA

Seeking for a end of Study internship  
starting from March 2026

<https://banujastdn.github.io/Website/>

## Education

- **2023-2026** ISAE-Supméca - Paris, Saint-Ouen (93)  
Final year student at an engineering school in mechanical, automotive digital, aeronautics, railways, and energy. Specialization in Simulation and Mechanical Design.
- **2020-2023** CPGE PC, Jacques Amyot High School, Melun (77)  
Intensive preparatory courses focused on sciences
- **2020** Scientific French Baccalaureat, with honors  
Jules Ferry High School, Coulommiers (77)  
Specialized in Physics and Chemistry

## Experiences

### Internships

- **Research Intern – Fluid Mechanics Laboratory, University of Waterloo**  
– Sept 2024 to Jan 2025 - Waterloo, Ontario, Canada  
Conducted research in fluid dynamics as part of an academic internship
- **Operator Internship – Bardusch, Paris – June 2024**  
Introduction to the corporate environment and industrial workflows

### Academic Projects

- **PRBE 2025 : Collaboration with VALEO** – Development of a post-processing tool and design of a fixturing solution
- **PRIM 2024** : Engineering design and structural sizing of a three-blade vertical-axis wind turbine (VAWT)
- **CCME 2024** : Design of a helicopter transmission housing using CAD
- **TIPE 2022-2023 : Water purification through banana peel biosorption**
- **TIPE 2021-2022 : The intelligent speed bump serving road safety**

### Part-Time Student Job

- **Naturalia - March 2025/Today** Paris (75017)
- **Giorgio ARMANI - Saleswoman - Summer 2024** La vallée village, Serris (77)
- **Private tutoring - 2023 / Today**
- **Total Energie - Cashier - Summer 2023** Coulommiers (77120)
- **Bershka - Saleswoman - Summer 2022** Val d'Europe, Serris (77)

## Extracurricular activities

- **SUPMECAERO**  
Main project : Rocket design  
Sizing and design of rocket pipes using Fusion 360
- **Supméca Junior Entreprise**  
Facilitated communication between engineering students and companies ;  
Managed the commercial aspects of the project

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## Languages

- **Francais**  
Native
- **Anglais**  
Fluent (TOIEC : 970/990)
- **Espagnol**  
Intermediate
- **Tamil**  
Fluent

## Software

### IT

- Python
- C+
- SQL

### CAD

- Catia V6
- Solidworks
- Fusion 360
- NX
- 3D Experience

### Office software

Pack office

### Others

Granta, Matlab, Abaqus,  
ANSYS Fluent ...

## Interests

- **Track and Fields**  
2016 - today
- **Arts**  
2019- today
- **Reading**  
Hess, Coelho...