

Mohamed Kabir

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Looking for a 6-month internship starting in February 2027

EDUCATION

ESILV	Courbevoie, France
Engineering Degree, Major in Modelling and Numerical Mechanics	2022 - 2027
Finite element analysis, strength of materials, continuum mechanics, supply chain	
Fluid mechanics and turbulence, simulation (Ansys Fluent, Abaqus)	
Numerical simulation, CAD, 3D modelling (SolidWorks, CATIA)	

HANYANG UNIVERSITY	Seoul, KR
Academic exchange, College of Mechanical Engineering	Feb – June 2025
Fluid Mechanics, Numerical Analysis, Linear Algebra, Operating System, Principles of Programming Languages	

EXPERIENCE

ALVEUS	Paris, France
Private tutor	2024 – Present
- Personalised tutoring for students in Maths, Physics-Chemistry and Biology - Course materials adapted to the level of each student (middle to high school) - Weekly one-to-one follow-up of groups of up to 4 students - Creation of a positive and motivating learning environment	

GRAPHIMETRE	Paris, France
Supply chain and CAD intern	May – Sept 2026
- Development of an inventory management tool in Excel - Design of a sprinkler stylus and rearming keys by reverse engineering in SolidWorks - Work with the creative teams on printing (letterpress, embossing, digital)	

PROJECTS

FORMULA STUDENT – VINCI ECO DRIVE	
Design of a Formula 1 car under the 2026 regulations	May – Aug 2026
- CAD design under CATIA, CFD simulation under XFlow, centralized on 3DEXPERIENCE - Trained in composite manufacturing techniques and workshop machinery - Compliance with Formula Student Germany technical requirements	

3D MODELLING - CATIA & SIMULIA

Design of a Formula 1 car under the 2026 regulations	May – Aug 2026
- Compliance with the technical documentation provided by the FIA - Design in CATIA and CFD analysis in SIMULIA through 3DEXPERIENCE - Documentation and summary of the work through articles	

AIR FRANCE - PNC Lab

Design of a folding table	Roissy-en-France, France
	Sept 25 – April 26
- Leader of a team of 6 people, main point of contact with the client - Design, modelling and kinematics in CAD (SolidWorks) - Compliance with strict specifications (civil aviation standards)	

SKILLS

Languages: French (native), English (B2+), Spanish (basic), Arabic (basic)
Software: SolidWorks (CSWP Certification), CATIA, 3DEXperience, Simulia (Abaqus, Flow Scenario Creation), Ansys, MatLab, VS Code (Python), Premiere Pro, Photoshop

INTERESTS

Motorsport (F1, WEC...), Aeronautics
Taekwondo: red belt, practised for 7 years