

Talvin Ackbaraly

5th year student at EPITA — Computer Engineering

● Looking for a 6-month final-year internship — starting early Feb. 2027

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Education

Engineering Degree — Specialization in Image Processing

Sept. 2022 - 2027

EPITA — Paris

Image processing & synthesis, artificial intelligence and high-performance GPU computing.

Academic Exchange

Jan. - May 2024

Université du Québec à Chicoutimi (UQAC) — Canada

🌐 English: TOEIC certified

Professional Experience

Full-Stack & DevOps Developer (Internship)

Full-Stack DevOps CI/CD AWS Agile

Studiocanal

Sept. 2025 - Jan. 2026

Developed full-stack modules for rights management, contracts, and film catalog distribution. Setup and maintained cloud infrastructures (CI/CD, AWS) within an Agile team.

IT Consultant (Internship)

Django Python Agile SAFe

Hitachi Solutions France

June - July 2022

Prototyped a management application (suppliers, products, contracts) for Sonepar (Django, Agile SAFe).

Academic Projects

PFEE

Final-year project with the BNF (French National Library): segmentation and classification of illustrations from digitized heritage documents. Model benchmarks (YOLO, Florence-2), metric definition, weekly client follow-ups. (Team of 4)

Deep Learning YOLO

Project Management

ALPR

Automatic License Plate Recognition. Classic detection (filters, morphology) and ML (86% accuracy). Python vs C++ benchmarks. Complete GitLab workflow (issues, MRs, CI). (Team of 2)

OpenCV C++ ML

GitLab CI

IRGPU

Real-time video motion detection. CPU → GPU port with a 24× performance gain (bottleneck analysis via Nsight). (Team of 4)

CUDA C++ Nsight

FluidSim

Real-time fluid simulation engine based on SPH. Physical calculations managed via Compute Shaders and rendering via Framebuffers. (Team of 2)

C++ OpenGL GLSL

MedViz

Prediction of Forced Vital Capacity from CT scans. Pulmonary segmentation and ML (XGBoost). Docker containerization, GitLab CI pipeline. (Team of 4)

Computer Vision React

Docker GitLab CI

Skills

Computer Vision & AI

Image Processing Deep Learning Machine Learning OpenCV PyTorch

High-Performance Computing

CUDA GPU Computing OpenGL GLSL Nsight

Development & DevOps

C++ Python Docker GitLab CI AWS React/Next.js Django