

# Chhayansh Porwal

Kota, Rajasthan

+91-9352886788 | [chayansh@gmail.com](mailto:chayansh@gmail.com) | [github.com/Chhayansh-Git](https://github.com/Chhayansh-Git)

## EDUCATION

Rajasthan Technical University (RTU), Kota  
B.Tech in Computer Science Engineering

2023 – 2027  
CGPA: 8.81

## PROJECTS

### AI Teacher Recruitment System (Full-Stack ML Platform)

[\[GitHub\]](#)

Software Engineering Intern, Syon Technologies

Continued post-internship

- Developed the core machine learning matching engine to intelligently pair candidate profiles with school requirements based on context.
- Engineered a dedicated Python/FastAPI microservice utilizing SentenceTransformers to generate semantic embeddings for automated resume screening and profile coaching.
- Integrated the ML service with a Next.js and Node.js/Prisma backend architecture, utilizing REST APIs and Redis for efficient data handoffs.

### Wedding Image Culling Suite (Computer Vision Pipeline)

[\[GitHub\]](#)

Fotographiya (iStart-incubated startup)

Kota, Rajasthan

- Engineered an AI-powered automated image culling backend utilizing Python and FastAPI for a premium wedding photography startup.
- Developed a rapid evaluation pipeline using YOLOv8n, MediaPipe FaceMesh, and CLIP ViT-L/14 to reject flawed images automatically.
- Clustered near-duplicate burst shots via L2 distance on CLIP embeddings and integrated FaceNet/MTCNN to recognize and preserve enrolled VIPs.

### 3D N2V Calcium Denoising (AI Research Project)

[\[GitHub\]](#)

AI4Life International Grand Challenge

- Built a self-supervised Noise2Void (N2V) model utilizing PyTorch for denoising high-resolution 3D calcium imaging data.
- Preserved crucial spatial and temporal signal structures, evaluating the model's efficacy using stSNR, PSNR, and SI-PSNR metrics.
- Achieved Global Rank 2 in the competition by ensuring robust generalization across unseen datasets.

### Call Sentry (Mobile Application Kotlin)

[\[GitHub\]](#)

Android Privacy Utility

- Built a native Android application using Kotlin to provide offline, privacy-first call and SMS filtering.
- Implemented a robust whitelist-based blocking architecture utilizing background Broadcast Receivers and system-level permissions.
- Executed rapid prototyping to deliver a stable, production-ready application within a highly constrained 3-day development lifecycle.

## TECHNICAL SKILLS

**Programming:** Python, JavaScript, Kotlin, C++

**Web & APIs:** HTML, CSS, Node.js, FastAPI, Next.js, Prisma

**Tools & Libraries:** Git, GitHub, MongoDB, Redis, YOLOv8, PyTorch

**Core Domains:** Machine Learning, Computer Vision, AI Systems, REST APIs

## ACHIEVEMENTS & STRENGTHS

- Achievements:** Top 8% Nationwide in AlgoUniversity Tech Fellowship (ATF 2025); Global Rank 2 in AI4Life International Grand Challenge; CGPA: 8.81.
- Strengths:** Rapid prototyping with strong execution ability; Hands-on experience in AI and full-stack systems; Quick learner with adaptability to new technologies.