

ANANT GOEL

Software Engineering | Computer Vision & Python Systems

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PROFESSIONAL SUMMARY

Final-year Computer Science student building complete workflows around computer vision, defensive security, and local-first products. Focused on data handling, APIs, testing, telemetry, and usable interfaces.

EDUCATION

BML Munjal University | B.Tech in Computer Science | Expected May 2027

TECHNICAL SKILLS

Languages: Python, TypeScript

Computer vision: OpenCV, YOLO, ByteTrack

Applications: FastAPI, React, Next.js, Electron, Vite

Tools & practices: Docker, automated tests, GitHub Actions, security telemetry

PROJECTS

PathWise | Python, YOLO, ByteTrack, OpenCV

- Built a road-risk pipeline with persistent vehicle tracking, calibrated road-plane projection, and explainable time-to-collision and cut-in rules.
- Validated a six-second synthetic reference scenario containing 180 frames and 540 actor samples; demo outputs are not real-world perception-accuracy claims.

Deception Orchestrator | Python, FastAPI, Next.js, Docker

- Developed a self-hostable analyst console that turns honeypot and URL-canary events into MITRE ATT&CK-tagged investigations.
- Connected a FastAPI control plane to a Next.js workspace, with Docker deployment and automated backend tests and frontend builds.

Mouseion | TypeScript, React, Electron, Vite

- Built a private PDF and EPUB library with metadata, favorites, and reading progress, without cloud accounts or document uploads.
- Packaged a local-first React interface with Electron; added catalogue tests and an Electron smoke test.

ADDITIONAL INFORMATION

Seeking on-site / hybrid internships in India. Flexible duration; start date to be discussed.