

AVISHI SHREYA

avishishreya@hotmail.com | linkedin.com/in/avishi-shreya-04b185434 | github.com/shreya-oeo

Professional Summary

Software developer focused on full-stack development, Android, QA automation, AI, and blockchain applications. Builds practical software using Python, TypeScript, JavaScript, Next.js, Solana, and MongoDB, with hands-on experience in OCR, image processing, decentralized applications, automation, and security-oriented development.

Projects

Pixel-Vector OCR | Python, Pillow

May 2026

- Built a lightweight OCR prototype from scratch using Python and Pillow with grayscale conversion, resizing, binarization, and pixel-vector template matching without machine-learning libraries.
- Tested custom curved-font samples; one test image produced a 93.75% confidence prediction for the correct character. This is a prototype test result, not a general real-world accuracy benchmark.
- Repository: github.com/shreya-oeo/Pixel-Vector-OCR

DeVOLT | Next.js, TypeScript, Solana, MongoDB

Oct 2025

- Built a decentralized EV charging platform with Solana-powered payments, real-time charging-session synchronization, DECH token rewards, and escrow-protected P2P trading.
- Developed a mobile-first PWA with station mapping, RESTful APIs, real-time balance updates, and multi-wallet support.
- Measured performance with LCP below 2.5 seconds, CLS below 0.1, build time below 30 seconds, and gzipped bundle size below 500 KB.
- Implemented input validation, CORS restrictions, API rate limiting, secure environment variables, user-approved transaction signing, and non-custodial wallet integration.
- Repository: github.com/shreya-oeo/deVOLT

Clipper | JavaScript, Windows HTA

Sep 2023

- Developed a lightweight clipboard monitoring utility to detect and process copied text in real time.
- Implemented configurable regular-expression pattern matching for text detection and replacement.

Experience

Freelance Software Developer | Ethereum Wallet and NFT Tracker

Aug 2026 to Present

- Developed an Ethereum wallet and NFT whale-tracking system for The Origins NFT project to monitor high-value wallet movements and identify where whales are investing.
- Built low-latency blockchain monitoring capable of detecting and processing relevant wallet activity in under 50 milliseconds for near real-time whale movement tracking.
- Tracked wallet transactions, NFT activity, and investment movements to surface actionable signals for NFT project monitoring.
- Project: The Origins NFT - x.com/TheOriginss_

Independent Software Developer | Open Source and Personal Projects

Jul 2023 to Present

- Build and publish software projects spanning OCR, blockchain applications, automation, JavaScript utilities, and security-oriented development.
- Develop and maintain public projects using Python, JavaScript, TypeScript, HTML, Next.js, Solana, MongoDB, and related technologies.
- Explore AI security, adversarial machine learning, reverse engineering, automation, and scripting through independent technical projects.
- GitHub: github.com/shreya-oeo

Education

CARMEL SCHOOL, Hazaribagh, Jharkhand, India

Mar 2024

10th in High School/Secondary Certificates, ICSE

Skills

Programming: Python, JavaScript, TypeScript, **Web and Application Development:** Next.js, Android Development, HTML, PWA, REST APIs, **QA and Testing:** QA Automation, Test Automation Frameworks, Software QA, Quality Assurance, Bug Tracking and Reporting, **AI and Computer Vision:** Optical Character Recognition (OCR), Image Processing, Machine Learning, Artificial Intelligence, **Blockchain and Web3:** Solana, DApps, SPL Tokens, Blockchain Development, Web3 Authentication, **Databases and Tools:** MongoDB, Git, GitHub, Regular Expressions, Reverse Engineering

Languages

English (Fluent), Hindi (Native)