

# Rasol Toloey

Full-Stack Software Engineer · Python / Django & React

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## SUMMARY

Full-Stack Software Engineer with hands-on experience in Python, Django, React, and modern web technologies. Focused on designing scalable backend systems, building responsive user interfaces, and applying computer vision to real-world problems. Experienced with REST API development, authentication systems, database optimization, real-time applications, and AI-powered tooling. Strong believer in clean, maintainable, and performant code.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C++, SQL, HTML5, CSS3

**Frontend:** React, Next.js, Vite, React Router, Redux Toolkit, TanStack Query, CSS Modules

**Backend:** Django, Django REST Framework, Django Channels, FastAPI, REST APIs, JWT & Session Authentication

**Databases:** PostgreSQL, MariaDB, MySQL, SQLite

**AI / Computer Vision:** OpenCV, MediaPipe, NumPy, Matplotlib

**Tools & Other:** Git, GitHub, Docker (basic), Linux, Redis, WebSockets, VS Code, Figma

## FEATURED PROJECTS

**YouTube Clone** *Django REST Framework · React · PostgreSQL · Redis · TanStack Query*

- Designed the backend architecture and built REST APIs for video upload, streaming, comments, likes/dislikes, and subscriptions
- Built the React frontend with protected routes, infinite scrolling, search, and a watch-history dashboard
- Optimized database queries and integrated TanStack Query for efficient client-side data fetching

**MenuLine — Restaurant Menu & Ordering Platform** *Founder / Full-Stack Developer · Django Channels · Redis · PostgreSQL · React*

- Built a QR/NFC-based digital menu with online ordering, customer management, and real-time order tracking
- Developed an admin dashboard covering products, categories, discounts, and tables
- Implemented real-time order updates using Django Channels and Redis

**AI Push-up Detection System** *Python · OpenCV · MediaPipe · NumPy*

- Built a real-time pose-estimation system that counts push-ups and validates exercise form
- Added audio feedback, CSV workout logging, and post-session performance analysis

**Personal Portfolio** *React · Next.js · Tailwind CSS*

- Built a responsive portfolio site showcasing projects, skills, and contact information

## EDUCATION

Continuous Bachelor's Degree Program in Computer Engineering

Islamic Azad University · In Progress

## LANGUAGES

Persian — Native | English — Professional Working Proficiency