HARSHAL PATIL

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PROFESSIONAL SUMMARY

Full-Stack Developer specializing in Python, Django, React.js, and REST APIs, with experience building scalable web applications, real-time systems, and AI-powered solutions. Proficient in Docker, PostgreSQL, cloud deployment, and modern software engineering practices including JWT authentication, WebSocket architecture, and CI/CD-ready containerized workflows.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), SQL
Frameworks: React.js, Next.js, Django, Django REST Framework, Django Channels, Flask, Tailwind CSS
Databases: PostgreSQL, MySQL, SQLite
Cloud & DevOps: Docker, Git, GitHub, Vercel, Render, Netlify
Authentication: JWT, Google OAuth (django-allauth)
Tools: Postman, Figma, VS Code, Cloudinary, Supabase
Concepts: Data Structures & Algorithms, OOP, MVC Architecture, CRUD Operations, REST API Design

WORK EXPERIENCE

Software Developer Intern | SkillCraft Technology Feb 2025 – Mar 2025 (1-Month Internship)

- Independently developed 4 Python-based applications as individual internship assignments — Temperature Converter, Sudoku Solver, Number Guessing Game, and Video/Audio-to-Text Converter — applying algorithms and data structures in production-ready implementations.
- Built an automated Sudoku Solver using recursive backtracking and constraint propagation, reducing puzzle-solve complexity through optimized branching logic.
- Implemented a Speech-to-Text transcription system using Python's SpeechRecognition library, enabling real-time media file conversion with high accuracy.
- Collaborated in an agile workflow with senior developers to debug codebases, review requirements, and ship deliverables on schedule.

PROJECTS

Linklet — Real-Time Social Chat Application *Next.js · Django · PostgreSQL · WebSockets · JWT · Docker*
GitHub: github.com/harshalpatil2809/linklet | Live Demo: linklet-by-harshal.vercel.app

- Architected a full-stack social platform with real-time private messaging, follow/unfollow system, and Google OAuth — containerized via Docker, deployed on Render + Vercel.
- Engineered WebSocket-based bidirectional messaging using Django Channels with a mutual-follow enforcement gate, replicating production-grade business rule logic.
- Built 15+ REST API endpoints for JWT auth (rotation & blacklisting), profile management, follower/following lists, inbox, and conversation history using Django REST Framework.
- Integrated Cloudinary for media storage, Supabase (PostgreSQL) for persistence, and authored Kubernetes kustomize manifests for scalable production deployment.

Intellex — AI-Powered Full-Stack Chat Application *Next.js · React.js · Django · PostgreSQL · REST API*
GitHub: github.com/harshalpatil2809/INTELLEX-FRONTEND | Live Demo: intellex-by-harshal.vercel.app

- Built a production-deployed AI chat application integrating external LLM APIs with async streaming, custom retry logic, and exponential backoff for reliability.
- Designed 10+ DRF API endpoints for authentication, session management, and message persistence; achieved seamless frontend-backend integration with Next.js.

BuyBasket — Full-Stack E-Commerce Platform *React.js · Django · REST API · Cloudinary · PostgreSQL*
GitHub: github.com/harshalpatil2809/BuyBasket-frontend | Live Demo: buybasket-by-harshal.vercel.app

- Developed a fully functional e-commerce platform with user authentication, product catalog, cart management, and order processing using React.js and Django.
- Built 15+ REST APIs with Axios/fetch async calls, JWT sessions, CORS config, and Cloudinary image management; optimized UI across all device sizes.

EDUCATION

B.Sc. in Information Technology | Gondwana University, Gadchiroli, Maharashtra Jun 2023 – Jul 2026
CGPA: 7.56 / 10.0

CERTIFICATIONS

Technology Job Simulation — Deloitte Jun 2026
Solutions Architecture Job Simulation — AWS / Forage Jun 2025
Web Development Fundamentals — IBM Feb 2024
Cybersecurity Fundamentals — IBM Mar 2024