

PALLAV BURNWAL

Software Developer · Full-Stack Engineering · Python · Java · React.js

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Full-Stack Software Developer with 9 months of hands-on experience building scalable web applications, REST APIs, and automated evaluation platforms. Proficient in **Python (FastAPI)**, **Java (Spring Boot)**, **React.js/TypeScript**, and **MongoDB/MySQL**. Experienced in API security, real-time WebSocket communication, payment gateway integrations, and cloud deployments (**AWS, Azure, Docker**). Focused on writing clean, high-performance code and delivering measurable system improvements.

EXPERIENCE

Full-Stack Developer

Jan 2026 – May 2026

Hrify.AI (HR For You) · Kharar, India

- Engineered recruitment workflows using **React.js**, **FastAPI**, and **MongoDB**, accelerating candidate processing efficiency across sprint releases.
- Designed and deployed secure **RESTful APIs** for candidate management and authentication, maintaining low-latency database queries.
- Integrated real-time audio/video streaming via **LiveKit** and **WebSockets** to support automated candidate evaluation sessions.
- Partnered cross-functionally with product and design teams to translate Figma specifications into production-ready features.

Software Developer Intern

Sep 2025 – Dec 2025

Hrify.AI (HR For You) · Kharar, India

- Built backend services with **FastAPI** and **MongoDB** to parse unstructured candidate data into structured formats.
- Reduced initial page load times by implementing lazy loading and modular, reusable **React** components.
- Developed responsive **React.js + TypeScript** frontends directly from UI/UX designs with full cross-device compatibility.

PROJECTS

DevForge – Multi-Agent AI Development Platform

React.js · FastAPI · Redis Pub/Sub · Docker · WebSockets · Tailwind CSS

- Engineered a **Dockerized** multi-agent orchestration engine using **FastAPI** and **Redis Pub/Sub**, delivering real-time streaming output with sub-200ms latency.
- Optimized distributed state management and async task execution, cutting concurrent multi-agent task processing latency by **35%**.
- Built a responsive **React.js** UI handling high-frequency terminal/agent streams without frame drops.

AI Real-Time Voice Caller System (Uvilox AI)

Python · FastAPI · Deepgram AI · Twilio · WebSockets · MongoDB

- Developed an async **FastAPI** telephony engine using **Twilio WebSockets** and **Deepgram AI**, achieving end-to-end audio streaming interaction in under **800ms**.
- Streamlined bi-directional audio buffer management to eliminate call drops during live speech recognition and synthesis.
- Designed a **MongoDB** schema to capture and persist live conversation transcripts and metadata for analytical scoring.

BillKaro – GST Billing Platform

Java 17 · Spring Boot · MongoDB · JWT · React Native (Expo) · Razorpay

- Architected a full-stack billing platform featuring **JWT authentication**, automated tax calculations, and invoice lifecycle management.
- Integrated **Razorpay** for instant transactions and generated downloadable PDF invoices via **iText**.
- Created a **React Native (Expo)** app with dashboard analytics and automated WhatsApp invoice sharing.

TECHNICAL SKILLS

Languages

Python · JavaScript · TypeScript · Java · SQL

Backend

FastAPI · Spring Boot · Node.js
REST APIs · Microservices · WebSockets
Async Python · Pydantic

Frontend

React.js · Next.js · React Native
HTML5 · CSS3 · Tailwind CSS

Databases

MongoDB · MySQL · Redis

Cloud / DevOps

AWS · Azure · Docker
GitHub Actions CI/CD · Vercel

Testing

PyTest · unittest · Postman

Other

Git · JWT · OWASP ZAP · Burp Suite

EDUCATION

MCA – AI/ML

Vellore Institute of Technology
Aug 2026 – Present · Vellore, India

BCA

Chandigarh University · GPA **3.7/4.0**
Aug 2023 – May 2026 · Kharar, India

ACHIEVEMENTS

- 1st Place** – HackWithUttarPradesh Hackathon (200+ teams, team lead)
- 5-Star HackerRank** – Python, Problem Solving, Java
- Microsoft Azure Fundamentals** (AZ-900)