Prashant Bhardwaj

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Technical Skills

- **Languages:** Python, TypeScript, JavaScript, Golang, Elixir, Java
- **Frontend:** React, Next.js, React Native, Astro
- **Backend & APIs:** Node.js, Express, Hono.js, FastAPI, Phoenix, Spring Boot
- **Databases:** PostgreSQL, SQLite, DuckDB, Redis
- **DevOps & Cloud:** Docker, GitHub Actions, AWS, Cloudflare, Render
- **Testing & Tools:** Git, Neovim, Cypress, Jest, Pytest, RabbitMQ, Apache Airflow

Featured Projects

SWC-fantasy-football | End-to-End Data Science API Infrastructure
Python, FastAPI, SQLAlchemy, SQLite, Pytest, Airflow, Streamlit, LangChain, Gemini API

- Built full-stack data science platform with curriculum-style workflow spanning API design, deployment, and AI integration
- Developed SQLite-backed database with FastAPI backend achieving 98% test coverage using Pytest
- Created Python SDK for simplified client interaction and orchestrated data pipelines with Apache Airflow
- Integrated ML workflows with Gemini API and LangChain for AI-driven data interaction and analysis

CoreTrack | Local-First Mobile Workout Application
React Native, Expo, TypeScript, Zustand, Immer, SQLite, Expo Router

- Engineered cross-platform mobile fitness app with local-first architecture using SQLite for offline data persistence
- Designed efficient global state management with Zustand and Immer for workout, exercise, and set tracking
- Implemented responsive UI with automatic theme switching and optimized database queries via Expo Router

Greenlight | Production-Grade JSON Movie API
Golang, PostgreSQL, Redis, JWT, Docker, Prometheus, CI/CD

- Architected high-performance JSON API with full CRUD operations, advanced filtering, and sorted pagination
- Implemented secure JWT authentication, background email delivery, user activation, and password reset functionality
- Integrated production features including Prometheus metrics, health checks, rate limiting, and graceful shutdown
- Dockerized application and configured CI/CD pipeline for automated deployments

Raffley | Real-Time Charity Auction Platform
Elixir, Phoenix LiveView, HEEx, Ecto, PostgreSQL, Tailwind CSS, PubSub

- Developed full-stack real-time platform with live bidding and dynamic UI updates using Phoenix LiveView
- Built secure backend with Ecto schemas and changesets for authenticated sessions and live form validations
- Leveraged Phoenix Presence for real-time user tracking and notifications, enhancing user engagement

Professional Experience

Software Development Intern   Jun 2024 – Aug 2024
Codedamn

- Authored comprehensive end-to-end test suites using Cypress, improving regression testing efficiency
- Ensured application stability across key user workflows through automated testing implementation

Open Source Contributor   **Jan 2024 – Feb 2024**
Innogeeks Winter Of Code (IWOC 2.0)
- Contributed to open-source projects by developing features, resolving bugs, and improving documentation
- Collaborated with distributed development team to deliver high-quality software solutions

Education

Bachelor of Technology in Information Technology   **2021 – 2025**
Noida Institute of Engineering and Technology (AKTU), Greater Noida, India