

# Abhay Mishra

✉ [grabhaymishra@gmail.com](mailto:grabhaymishra@gmail.com) | [in linkedin.com/in/abhaymishraa](https://www.linkedin.com/in/abhaymishraa) | [github.com/abhaymishraa](https://github.com/abhaymishraa) | [x.com/abhaytwit](https://x.com/abhaytwit) | +91 9399142438

## Education

**Technocrats institute of technology and science**  
*Bachelor of Technology in Computer Science*

Bhopal, India  
Nov 2022 – May 2026

## Skills Summary

**Languages:** Java, Python, Rust, Solidity, TypeScript  
**Developer Tools:** Bash, IntelliJ, NVim, VS Code  
**Frameworks/Libraries:** React, Next, Express, Recoil, Tailwind, Django, Langchain, GraphQL, Axum, Ratatui  
**Tools:** CI/CD Pipelines, Docker, Git, Kafka, Kubernetes, PostgreSQL, Redis, Turborepo  
**Soft Skills:** Teamwork, Problem solving, Effective communication, Leadership

## Experience

**Harmony AI** Apr 2026 – Present  
*Software Engineer* Remote

- Built production scheduling workflows for manufacturing operations using Google OR-Tools CP-SAT solver, including downtime handling, order conflicts, and live scheduling updates.
- Working on AI-powered plant operations features across scheduling, paperwork automation, and real-time production visibility.

**Context AI** May 2025 – Apr 2026  
*Software Engineer* Remote

- Worked on the evals server and Vercel Workflows for AI agent evaluation and production workflow reliability.
- Built client-side features, resolved user queries and feature requests, and improved AI agent behavior through prompt optimization.

**Google Summer of Code - OWASP Foundation** May 2025 – Aug 2025  
*Student Developer* Remote

- Redesigned the OWASP Nest API using Django Ninja to improve performance of REST endpoints.
- Replaced Graphene with Strawberry GraphQL and implemented rate limiting for high-performance APIs.
- Built structured API key authentication and JSON schemas for metadata standardization across OWASP.
- Auto-generated SDKs in Python, Go, and TypeScript with automated schema validation using GitHub Actions.

## Projects

**WebBuilder** | *FastAPI, Next.js, LangGraph, E2B, PostgreSQL* November 2025

- Built an AI-powered React app generator (Lovable clone) where users describe features in natural language and get a full working Next.js project.
- Implemented a multi-agent system using LangGraph planner, builder, validator, and runtime checker to generate, fix, and validate code.
- Used E2B sandbox environments to safely execute and test generated code before sending it to users.
- Developed FastAPI backend with WebSockets for real-time build updates, JWT auth, token limits, and PostgreSQL storage.

**Exness Trading Platform** | *TypeScript, Redis Pub/Sub, TimescaleDB, WebSockets, Prisma* August 2025

- Developed a full trading simulation platform (CFD-style) with leverage, TP/SL, and automatic \$5000 demo balance per user.
- Integrated Binance price streams and Redis Pub/Sub to deliver real-time market data to all connected clients.
- Used TimescaleDB for storing historical candlestick data and built fast chart queries for the UI.

## Contributions & Achievements

- Open Source Contributions:** Actively contributed to major open-source projects including **OWASP Nest**, **AOSSIE/Pictopy**, and **JSONSchema**. Submitted multiple pull requests improving GraphQL implementation, dynamic metadata generation, test coverage, and CSRF protection. Also assisted in frontend migration from React to Next.js.
- Hackathon Leadership:** Led a 4-member team at the **Core Nexus Web3 Hackathon**, securing **2nd Runner-Up** among 50+ teams. Developed **CryptoInherit** a Web3 inheritance solution using Arbitrum Stylus and Next.js, integrating smart contracts and inactivity-based triggers for secure digital asset transfer.