

Ujan Dey

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◆ [Open to Internships & Freelance](#)

PROFILE

Self-taught full-stack developer (Physics undergrad, NIT Agartala) who builds and ships real products — not just tutorials. Delivered a production client website, a React note app, and a Google Cloud-deployed real-time platform. Comfortable across the entire stack: React frontends, Node/FastAPI backends, Firebase, and cloud infra. Also built a UCI-compatible chess engine (50K–200K NPS) demonstrating strong algorithmic depth. Available immediately for freelance projects or internships.

SKILLS

Frontend	React.js · HTML/CSS · JavaScript · TypeScript · Responsive Design · Figma
Backend	Node.js · Express.js · FastAPI · REST APIs
Cloud & DB	Firebase (Auth, Firestore, Realtime DB, FCM) · Google Cloud Run · Pub/Sub · Vercel
Languages	JavaScript · TypeScript · Python
Other	Flutter · Gemini API · NumPy · Pandas · Git

PROJECTS

Minecraft Portfolio — Client Project

■ [pillaiprachi.com](#)

React.js · JavaScript · CSS

- Sole developer on a **paid client engagement** — designed and built a fully custom Minecraft-themed portfolio site from scratch to client spec.
- Implemented interactive UI components, animated project showcases, and fully responsive layout optimised for mobile, tablet, and desktop.
- Delivered a live, production site — demonstrating ability to take a brief, manage a client, and ship on deadline.

StadiumOS — Real-Time Venue Intelligence Platform

■ [github.com/ujandey/StadiumOS](#)

Node.js · TypeScript · Flutter · Firebase · Google Cloud Run · Pub/Sub · Gemini API

- Full-stack platform turning sports venues into smart, fan-aware spaces — backend on Google Cloud Run with Pub/Sub, Firestore, and FCM.
- **Sub-100ms** live group tracking via Firebase Realtime DB; Gemini-powered contextual alerts from BLE/Wi-Fi/POS sensor data.
- Cross-platform Flutter frontend with anonymous auth, live heatmaps, and graceful offline behaviour.

Personal Portfolio Website

■ [ujandey.vercel.app](#)

HTML · TypeScript · CSS · Vercel

- Designed and built a fast, accessible personal site with semantic HTML, TypeScript interactivity, and optimised load times — deployed on Vercel.

Noted — Note-Taking App

■ [noted-one-sandy.vercel.app](#)

React.js · JavaScript

- Mobile-first React app with real-time search, CRUD note management, and a clean, accessible UI — live on Vercel.

Chess Engine

■ [github.com/ujandey/chess-engine](#)

Python · UCI Protocol · Tkinter

- UCI-compatible engine from scratch; **50K–200K nodes/sec**. PVS, alpha-beta pruning, transposition tables, null-move pruning, LMR, Polyglot opening book.

Gemini CLI Agent

■ [github.com/ujandey](#)

Python · Gemini API · Tool Calling

- Autonomous CLI agent using Gemini's structured tool-calling to execute natural-language file operations and Python scripts.

EDUCATION & CERTIFICATIONS

B.S.–M.S. in Physics, NIT Agartala

2025 – 2030

FreeCodeCamp: Responsive Web Design · JavaScript Algorithms & Data Structures · Core Member, E-Cell NIT Agartala