

Sourabh Pradhan

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EXPERIENCE

Obsidian Advisory Group (OBS)

06/2026 | Remote

Full Stack Engineer

- Built production analytics dashboards using **Next.js, React, TypeScript, FastAPI, and Recharts**, delivering responsive visualizations, baseline heatmaps, client drill-downs, and CSV exports for **60+ tracked metrics**.
- Developed an end-to-end **Stakeholder Management** module, centralizing stakeholder profiles, communication logs, meetings, approvals, task management, document storage, and project timelines within the existing client portal.
- Engineered scalable analytics APIs for client snapshots, metric trends, and **12-month historical aggregations**, while optimizing frontend performance through virtualization and memoization.
- Automated personalized outreach to **1,000+ recipients** across three campaigns by building a Python email platform with Excel-based recipient parsing, GoDaddy SMTP delivery, scheduling, and duplicate-safe sending.

Global Nexus | New Delhi, India

02/2026 – 03/2026 | Remote

Marketing Executive (Intern)

- Generated **60+ qualified B2B leads** across **6 industry sectors** with **80%+ C-suite/VP-level targeting** through structured prospecting and lead qualification.
- Designed a trigger-based lead generation framework that identified high-intent prospects by mapping time-sensitive business events to company capabilities, improving outreach relevance.

PROJECTS

DistrictDx

07/2026

Python · Next.js · FastAPI · Statistical Modeling

- Designed a statistical framework that ranked 785 Indian districts using epidemiological, demographic, and healthcare infrastructure data, combining AHP-weighted composite scoring, geometric mean aggregation, and proxy validation for pharmaceutical market prioritization.
- Integrated 10+ public datasets into a reproducible Python pipeline with automated preprocessing, normalization, and index generation, powering an interactive Next.js analytics platform.
- Implemented interactive choropleth maps, district drill-downs, rankings, and future opportunity views to support exploratory analysis and commercial decision making. | [Github](#)

Corrshift

06/2026

Correlation Anomaly Detector · Python · FastAPI · Next.js

- Built a cross-asset correlation anomaly detector tracking 15 rolling Pearson correlations across 6 financial assets over 30/60/252-day windows, featuring z-score anomaly detection, interactive D3 visualizations, and CSV/XLSX exports; deployed on Vercel + Render.
- Engineered a resilient 3-source data pipeline (yfinance, FBIL, NSE) with circuit breakers, Parquet cache fallback, and startup pre-computation, reducing API response latency to under 100 ms. | [Github](#)

Factor Exposure Analyzer

05/2026

Python · FastAPI · Next.js · TypeScript · scikit-learn · Supabase

- Built a quantitative finance terminal that analyzed the Nifty 500 using rolling OLS regressions against five Indian market risk factors, enabling interactive exploration of factor exposures, beta coefficients, t-statistics, idiosyncratic alpha, and sector-relative positioning through a Next.js dashboard.
- Reduced analysis latency from 40+ minutes to under 200 ms by engineering a batch pre-computation pipeline using GitHub Actions, ThreadPoolExecutor, and FastAPI, processing all 500 tickers overnight for real-time analytics. | [Github](#)

ClassWidget

03/2026

AI-Assisted · Product Thinking (Flutter, Dart, Kotlin, SQLite)

- Scoped, designed, and shipped a full Android schedule management app in under 24 hours, independently identifying and resolving architecture constraints across an unfamiliar stack
- Built a home screen widget with real-time class countdowns and interactive task checkboxes syncing via a custom Kotlin native bridge | [Github](#)

EDUCATION

Indian Institute of Management Bodh Gaya

2025 – 2030 | Bodhgaya

Integrated Programme in Management(IPM)

ODM Public School, Bhubaneswar

2022 – 2024 | Bhubaneswar

Class XII (Science)

SKILLS

Technical: Python · React · Next.js · FastAPI · TypeScript · SQL · Git · Supabase

Analytics: Statistical Modeling · Time Series Analysis · OLS Regression · Data Visualization · Excel

Business: Market Research · Industry Analysis · Stakeholder Management · Report Writing