# Prakhar Dwivedi

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## SUMMARY

Frontend-focused software engineering student experienced in building responsive interfaces with React and Next.js, integrating APIs, and handling real-time data flows.

## EDUCATION

**IIIT Bhopal**                                                                                           B.Tech, Electronics & Communication Engineering, **CPI 8.74**
**Sept 2023 – June 2027**
**Coursework: DSA, OOP, DBMS, CN, Systems**

## EXPERIENCE

**Brinavv Technologies |** *Software Development Intern (MERN Stack)*                               **Jan 2026 – Present**
- Onboarding into the MERN-based codebase and development workflows
- Reviewing existing frontend architecture and understanding component structure, API integrations, and data flow

**IndiaPaathy |** *Fullstack Developer (Freelance)*                                                            **Dec 2025 – Present**
- Built frontend screens and reusable UI components using React and Next.js for an NGO-backed platform
- Integrated authenticated REST APIs and handled client-side data flow with focus on correctness and usability

**Open Source |** *Mentee Linux Foundation - The Magma Core*                                          **Jan 2026 – Present**
- Selected as a **Mentee** for **The Magma Core project** under the **Linux Open Source Foundation** alongside **137** others
- Working on the AGW utility of 4G/5G communication and Docker deployment migration to Ubuntu 22.0.4

## PROJECTS

**PanditAI (2026)**                                                                                                      Live Site . GitHub
- Built and deployed an **AI-driven** application that converts complex domain rules and astronomical computations into structured, machine-readable outputs consumed by **LLMs** for natural language responses
- Implemented a client-side heavy Next.js interface to present AI-generated hierarchical data with stable layouts and responsive views
- Crafted accessible, theme-driven UI components using Tailwind CSS v4 and Radix UI in a custom dark design system
- Achieved strong rendering performance with ~**1.06s LCP,** zero layout shift, and a lightweight **~210KB** page weight by minimizing client-side overhead and optimizing render paths

**eVakeel (2025)**                                                                                                        Live Site . GitHub
- Designed a multi-route React SPA for legal document exploration and AI-assisted chat using Vite and React Router
- Built animated, mobile-first interaction flows with Framer Motion and Tailwind CSS for smooth transitions and micro-interactions
- Delivered fast initial load and interaction with **~1.33s LCP**, **zero CLS**, and only 6 network requests through disciplined asset and bundle management
- Deployed the end-to-end system on **Azure** using **Dockerized services and reverse proxying**, ensuring reliable frontend–backend communication, scalability, and production stability

## ACHIEVEMENTS

- Achieved **top 12K rank among 262K** participants in **Adobe India Hackathon 2025,** placing in the **top 5% nationally**
- **Ranked 1st** in the **ECE department** with a **9.32 SGPA** in **Semester 3**, demonstrating consistent academic excellence
- **Codeforces**: 1314(Pupil); **CodeChef**: 1614 (3); **LeetCode**: 1799; solved 380+ DSA problems across platforms
- Directed **3+** peer sessions as **Teaching Assistant** for **Digital Logic Design**
- **Offensive Security Lead at XPLOIT Club, IIIT Bhopal**

## SKILLS

- **Languages**: C, C++, Python, TypeScript, JavaScript, SQL
- **Backend& Systems:** Node.js, Fastify, REST APIs, Authentication, Database Design
- **Frontend (Customer-Facing Interfaces)**: React, Next.js, Tailwind CSS
- **Concepts**: Data Structures & Algorithms, REST APIs, Authentication, Database Design
- **Tools**: Git, GitHub, Docker, Linux (basics)