

# Akash Dwivedi

Kanpur, Uttar Pradesh, India

+91 9569952799 | [Email](#) | [GitHub](#) | [LeetCode](#) |

## CAREER SUMMARY

Computer Science undergraduate with strong problem-solving ability and hands-on experience building scalable backend systems and modern full-stack applications. Experienced in designing REST APIs, relational database schemas, and type-safe services using Node.js, TypeScript, Prisma, and PostgreSQL. Actively practicing data structures and algorithms with competitive programming and building production-grade developer-focused tools.

## EDUCATION

### B.Tech in Computer Science and Engineering

2023 – 2027

Pranveer Singh Institute of Technology, Kanpur

## TECHNICAL SKILLS

Programming Languages: C++, JavaScript (ES6+), TypeScript, Python  
Backend Development: Node.js, Express.js, REST APIs, Authentication, API Design  
Frontend: React.js, Next.js, HTML5, CSS3  
Databases: PostgreSQL, MongoDB  
ORM / Data Layer: Prisma ORM  
Tools & Platforms: Git, GitHub, Docker (Basics), Postman, Vercel, VS Code  
Core CS: Data Structures & Algorithms, Object-Oriented Design, DBMS, Operating Systems

## PROJECTS

### Basecase

[Live](#) | [GitHub](#) | 2026

- Built a full-stack developer portfolio and blogging platform with a scalable architecture using **Next.js**, **TypeScript**, **Node.js**, **Prisma**, and **PostgreSQL**.
- Designed modular backend services and REST APIs with type-safe data access using **Prisma ORM** and relational schema modeling.
- Implemented dynamic content rendering and optimized performance using **Next.js App Router** and server-side data fetching.
- Deployed production-ready application on **Vercel** with environment configuration and optimized build pipeline.

### MedGuide Backend

[GitHub](#) | 2025-26

- Developed a scalable backend service for a healthcare information system using **Node.js**, **Express.js**, **Prisma**, and **PostgreSQL**.
- Designed relational database schemas and implemented secure REST APIs for handling medical data, user management, and healthcare resources.
- Applied modular controller-service architecture and structured routing to maintain clean and maintainable backend code.
- Implemented input validation, error handling, and optimized database queries for efficient data access.

### Take-U-Forward Backend Clone

[GitHub](#) | 2025

- Implemented backend architecture inspired by the Take-U-Forward problem sheet system using **Node.js**, **Express**, **Prisma**, and **PostgreSQL**.
- Designed relational models for sheets, sections, and problems with nested relations and transaction-safe database operations.
- Built REST APIs enabling structured problem-sheet management and scalable data handling.

## COMPETITIVE PROGRAMMING

- Solved **1000+** problems across LeetCode, Codeforces, and CodeChef.
- Current ratings: **LeetCode 1498**, **Codeforces 906**, **CodeChef 1160**.
- Focused on mastering advanced patterns in **Dynamic Programming**, **Graphs**, **Trees**, and **Sliding Window techniques**.

## ACHIEVEMENTS

- Ranked **72nd** in a college coding hackathon.
- Team ranked **7th** in a competitive programming team hackathon.
- Actively participating in algorithmic contests to reach **Guardian rank on LeetCode**.

## CERTIFICATIONS

Developing Backend Applications with Node.js and Express  
Object-Oriented Programming (OOP)

IBM | 2026  
Take U Forward (TUF) | 2026