

# Ayush Katiyar

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## EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech EE	Maulana Azad National Institute of Technology	NIT Bhopal	8.23	2021-2025
Senior Secondary	Kendriya Vidyalaya Sangathan(KVS)	CBSE	92%	2020
Matriculation	Kendriya Vidyalaya Sangathan(KVS)	CBSE	87.2%	2018

## EXPERIENCE

### • Springfield Olympiads

**Certificate**

Intern

Sept 2024 - Nov 2024

- Created, optimized, and tested over 200+ RESTful APIs for the e-commerce platform, ensuring seamless integration and core functionality for both the website and the admin panel.
- Implemented `node-cache` to optimize data retrieval, reducing API response times by 30%, and used `node-cron` for automating transaction processing and review management, improving system efficiency.
- Collaborated with frontend teams to ensure seamless API integration and user-friendly UI/UX design.
- Contributed to database design and optimization through effective indexing and query profiling, achieving a 40% improvement in complex query performance.

## TECHNICAL SKILLS AND INTERESTS

<b>Programming Languages:</b>	C/C++, Python, HTML, CSS, JavaScript, TypeScript
<b>Cloud/Databases:</b>	MongoDB, MySQL, PostgreSQL, Prisma, Firebase
<b>Developer Tools:</b>	Node.js, JSON, VS Code, Git, GitHub, Postman, MySQL Workbench, MATLAB
<b>Libraries and Frameworks:</b>	Express.js, Tailwind CSS, Bootstrap, React.js, Redux, Next.js, JWT, Redis
<b>Relevant Coursework:</b>	DSA, OOPs, DBMS, Fundamental of Electrical Engineering

## PERSONAL PROJECTS

### • CloudHive

 **GitHub**

Next-Gen Cloud Storage Aggregator (  Live )

March 2025 - Present

Google Drive API | Firebase | Next.js | TypeScript | MongoDB | Redis | Tailwind CSS | Cron

- Developed a platform to merge and manage multiple Google Drive accounts within a single, cohesive interface, simplifying file organization and access.
- Enabled real-time file browsing, uploads, and synchronization across up to **10+** connected accounts per user using the **Google Drive API**.
- Secured login and session handling with **Firebase**, eliminating unauthorized access incidents by **100%**.
- Utilized **MongoDB** to securely manage **OAuth tokens**, ensuring reliable multi-account integration.
- Assembled a responsive UI using **Tailwind CSS**, enhancing cross-device user experience.
- Used **Redis** to cache frequent queries, reducing file retrieval times by **70%** and minimizing redundant API calls.
- Scheduled daily **cron jobs** for token refresh, cache invalidation, and automatic deactivation of expired accounts, maintaining **99.9%** system integrity.

### • ReferralShala

 **GitHub**

Revolutionizing the Job Referral Maze (  Live )

December 2024 - March 2025

Next.js | JavaScript | Prisma | Neon | Clerk | PostgreSQL | Supabase | Nodemailer | CSS

- Built a responsive Next.js platform connecting employers and candidates for seamless job referrals.
- Collaborated with **Clerk** to implement a secure login system, boosting authentication speed by **90%**.
- Designed intuitive UI/UX dashboards for efficient management of job postings, applications, and user profiles.
- Integrated **RESTful APIs** to enable real-time data synchronization across features.
- Leveraged **Prisma**, **Neon**, and **PostgreSQL** to create a robust database architecture, achieving a **20%** reduction in query response time for data retrieval and storage, while utilizing **Supabase** for efficient file storage.
- Automated email notifications using **nodemailer**, delivering profile details and confirmation emails to candidates and employers upon referral applications.

## ACHIEVEMENTS

- Solved over 1600+ coding problems focusing on Data Structures and Algorithms across multiple coding platforms.
- Coding Profile (rating) : [Leetcode](#) 900+ Problem Solved, (1686) | [Code360](#) Master, (2838) | [Codeforces](#) (1338)
- Secured a spot in the top **15** teams in Flipkart Grid 6.0, out of 17,000 competitors.