

# VISHESH VERMA

Indore, Madhya Pradesh, India

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## Education

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### Medi-Caps University

Bachelor of Technology in Computer Science Engineering (CGPA of 9.1)

August 2022 - June 2026

Indore, India

### Chameli Devi Public School

12th board 81 percent

2021

Indore, India

### Chameli Devi Public School

10th board 87 percent

2019

Indore, India

## Work Experience

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### IQPaths Technologies | [Link](#)

August 2024 - May 2025

Software Development Engineer Intern

Indore, India

- Devised a **full-stack course-selling platform** handling **1,000+** users, integrating **Razorpay** for secure payments and optimizing backend performance with **MongoDB aggregation pipelines**.
- Engineered a platform, leveraging **Context API** and **React Router**, leading to a **30% increase** in user engagement.
- Constructed a secure backend with **Node.js** and **Express**, using **JWT** for authentication, **bcrypt** for password hashing, **cookie-parser** for session management, and **MongoDB aggregation pipelines** for optimized data retrieval by 25%.
- Spearheaded the integration of **ECharts** into the data analysis platform, implementing custom configurations that enhanced real-time **graph** interactivity, improving user engagement metrics by **40%** across analytics teams.
- Architected a scalable **RESTful API** framework, improving integration speed for third-party applications and facilitating the addition of **3 new partner** integrations within the first quarter of deployment

## Projects

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### BlogSpot | *React, React Router, Redux Toolkit, Tailwind CSS, Appwrite* | [Link](#)

- Developed a blog website with **React**, utilizing **Appwrite** for user authentication, login, signup, and post management, handling 200+ test posts during development.
- Formulated a flexible backend wrapper for **scalability**, avoiding **vendor lock-in** and reducing integration time by 40%.
- Connected **React Router** and **Redux Toolkit** cutting page load times by 30%..
- Established **TinyMCE** for real-time post editing view functionalities supporting over 150+ test edits.
- Applied **Tailwind CSS** for a visually appealing design achieved a 90 score on Google Lighthouse audits.

### YouTwit | *Node.js, Express.js, MongoDB, Mongoose, bcrypt, JWT* | [Link](#)

- Orchestrated a 2-in-1 platform combining video and microblogging features using **Node.js**, **Express**, and **MongoDB**.
- Leveraged **Mongoose** to build 10+ schemas and implement **aggregation pipelines**, boosting performance by 25%.
- Secured user authentication with **bcrypt** and **JWT**, managing **500+** auth cycles in development.
- Integrated **Cookie-parser** for session management and implemented **refresh/access** tokens, strengthening authentication workflows and processing 500+ renewals during development.
- Employed **Cloudinary** for scalable media storage and **Multer** for seamless uploads, handling 300+ files up to **100MB**

## Achievements

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- Conquered **LeetCode Knight** with a contest rating of **1940**, placing in the **top 3.44% globally**.
- Solved **1200+** coding problems, specializing in algorithms, data structures, and code efficiency.
- Achieved a **CodeChef rating of 1803 (4 star)** with a **global rank of 6068** and **country rank of 5057**.
- Maintained a top rating of **1169** at Codeforces - the leading platform for global programmer participation.
- Secured **AIR 67** in CodeChef's Starter 197 and **AIR 91** in Starter 199 among **28,000+** participants.
- Ranked **435** in LeetCode Weekly Contest 465 and **735** in Biweekly Contest 164 among **32,000+** participants.

## Online Profiles

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- LeetCode
- Codechef
- Codeforces
- Github
- GeeksforGeeks

## Technical Skills

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- Languages:** C, C++, JavaScript/ES6, TypeScript, Python, Java, HTML5, CSS3
- Frameworks:** Node.js, Express.js, React.js (Redux Toolkit, React Router, React Hook Form), Next.js
- Libraries / Tools:** Axios, Tailwind CSS, Git (GitHub), Docker, Postman, WebSocket, AWS (EC2, S3)
- Databases and ORMs:** MongoDB (Mongoose), PostgreSQL (Prisma), Vector Databases

## Relevant Coursework

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- Core Subjects:** Data Structures and Algorithms, Operating System, Computer Networks, Database Management Systems, Object-Oriented Programming
- Additional Subjects:** Introduction to C/C++, Discrete Mathematics, Programming Languages (Java, Python), Theory of Computation, Agile Development.