

DIVYANSHU VARSHNEY

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LinkedIn | GitHub | Portfolio | LeetCode | Codeforces

Education

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
Bachelor of Technology in Computer Science and Engineering

Jul 2023 – Present
CGPA: 8.7/10

Professional Experience

LETSCMS PRIVATE LIMITED

Web Developer Intern

May 2026 – Jul 2026
Aligarh, Uttar Pradesh

Web Development | Business Applications | REST APIs | MySQL | API Testing | Process Automation | Agile Development

- Developed and integrated an automated notification system for a client-facing school website, streamlining user communication and reducing manual effort in sending notifications.
- Contributed to frontend development and RESTful API testing, using Postman to debug functional issues and improve application reliability and user experience.

Projects

VK Hospital – AI-Powered Healthcare Management Platform

Live GitHub

MERN Stack | OpenAI API | Gemini API | Razorpay | Cloudinary

- Developed a full-stack healthcare management platform using the MERN stack, enabling appointment scheduling, workflow management, and coordination across patients, doctors, and administrators.
- Integrated OpenAI and Gemini APIs for AI-powered symptom analysis, generating specialist recommendations to support patient decision-making and reduce manual effort.
- Implemented role-based dashboards for appointments, payments, doctor availability, and operational metrics, improving visibility into healthcare operations.

SeatSetGo – Smart JoSAA Counselling Platform

Live GitHub

MERN Stack | MongoDB | SQLite | JWT | Google OAuth

- Developed a MERN-based JoSAA counselling platform analyzing five years of admission data to provide data-driven college selection recommendations.
- Optimized database retrieval using indexed MongoDB and SQLite, improving prediction performance for large-scale counselling queries and supporting 90,000+ prediction requests.

WatchWise – AI Video Safety Moderation Platform

Live GitHub

FastAPI | ResNet-50 | YOLOv8 | OpenCV

- Developed an AI-powered video moderation platform using FastAPI, YOLOv8, ResNet-50, and OpenCV to automate video content analysis.
- Reduced video processing time by nearly 66% through optimized preprocessing, workflow optimization, and efficient resource utilization.

Technical Skills

Programming Languages	C, C++, Python, JavaScript, TypeScript
Web Development	React.js, Next.js, Node.js, Express.js, FastAPI, HTML5, CSS3, Tailwind CSS
Backend & APIs	RESTful APIs, JWT Authentication, Google OAuth, API Integration, API Testing
Databases	MongoDB, MySQL, SQLite
Machine Learning	NumPy, Pandas, Scikit-learn, Feature Engineering, Supervised Learning, Unsupervised Learning, Regression, Classification, Decision Trees, Random Forest, SVM, KNN, PCA
Generative AI	OpenAI API, Gemini API, Retrieval-Augmented Generation (RAG), Prompt Engineering
Cloud & Tools	AWS, EC2, Hugging Face Spaces, Git, GitHub, Postman, Vercel, Render, Cloudinary, Razorpay
Coursework	Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Software Engineering

Achievements & Leadership

- Competitive Programming Lead, GDG NIT Jalandhar: Mentored 100+ students, organized coding contests, and coordinated technical initiatives and cross-functional teams.
- Co-Secretary, PACE (CSE Society): Coordinated departmental technical events, collaborated with faculty members, and managed student teams.
- Competitive Programming: Solved 1500+ algorithmic problems; achieved 2000+ LeetCode (Knight), 1300+ Codeforces (Pupil), and 1700+ CodeChef ratings.