DIVYANSH RAI

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📍 Chandigarh, India

Skills

Languages/Databases:	Python, C++, JavaScript, SQL, MongoDB
Web Development:	React.js, Node.js, Next.js
AI Technologies:	Generative AI, NLP, LLMs
Frameworks:	TensorFlow, PyTorch, CrewAI

Experience

Celebal Technologies   June 2025 – August 2025

React.js Intern   *Remote*

Project: React.js-Based Web Development and Component Optimization

- Built responsive and high-performance web components with reusable design patterns.
- Collaborated with the development team to implement dynamic UI features, enhancing user engagement.
- Adopted best practices in component architecture, state management, and API integration.
- Improved application scalability and maintainability through modular code structure.

Cognify Technologies   January 2025 – February 2025

Frontend Developer Intern   *Chandigarh, India*

Project: Web Application Optimization and Data Visualization

- Reduced data processing time, enabling faster decision-making through real-time analytics.
- Enhanced application performance, leading to improved user engagement and efficiency.
- Developed RESTful APIs for data transformation, improving transfer efficiency by 40%.
- Optimized and maintained web applications using React.js and Node.js, reducing load time by 30%.

Projects

1. **Credit Card Fraud Detection**
   - Built machine learning models using Random Forest, XGBoost, and Neural Networks, optimized with Bayesian search, achieving **97% recall and 94% precision** in fraud detection.
   - Implemented multiple machine learning algorithms, such as Random Forest, XGBoost, and Neural Networks.

2. **AI-Driven Disaster Management**
   - Developed an AI platform integrating **computer vision, NLP, and geospatial analysis** for **real-time disaster response, sentiment analysis, and location-based alerts**.
   - Applied NLP techniques for sentiment analysis and emergency request classification.

3. **News Aggregation Platform**
   - Designed a Next.js and Node.js app processing **500+ articles/day**, achieving **99.9% uptime** with **vector embeddings for search latency under 100 ms**.
   - Achieved a high-performance, low-latency news platform with seamless real-time access.

Education

Bachelor of Technology   2022 - 2026

Chandigarh Engineering College, CGC-Landran   *CGPA: 8.0/10*

Certifications

1. Generative AI and Creativity – Mastering DALL·E Artistry: AI's Creative Revolution (Udemy)
2. Testing and Automation – Mastering Selenium: Web Automation Essentials (Udemy)
3. Cloud and DevOps – AWS SysOps Administrator (Udemy)
4. Frontend Development – AngularJS (Udemy)
5. Backend Development – Python and Django REST API (Udemy)