NEHA PATEL

Bharuch, Gujarat

📞 +91 9727474125 ✉ nehaypatel09@gmail.com 🔗 linkedin.com/in/neha-patel-899004260 ⚙ github.com/neha089

Experience

Wikiance   **December 2024 – June 2025**
Frontend Developer Intern   *Remote*

- Worked on real-world projects using Next.js, leveraging Server-Side Rendering (SSR) and Incremental Static Regeneration (ISR) for optimized performance.
- Developed responsive UI components with Material-UI and ensured seamless integration with backend APIs.
- Implemented unit testing using Jest to enhance code reliability and maintainability.
- Gained hands-on experience with CI/CD pipelines and AI-driven code analysis for automated testing and deployment.
- Collaborated remotely with backend developers, improving teamwork, communication, and project coordination.

Projects

TalkEase - AI-Powered Mental Health Chatbot | *React, Nodejs, Python, NLP*   `GitHub`

- Optimized a 16GB fine-tuned NLP model down to 3.8GB, significantly reducing storage and improving deployment feasibility.
- Successfully loaded the model locally and improved response time to an average of 1.81s for long responses.
- Integrated advanced NLP techniques to generate personalized motivational stories, songs, and conversations.
- Explored emotional intelligence in AI to create human-like responses for better user engagement.

DA-Visual - Data Structure and Algorithm Visualization | *React.js, Node.js, MongoDB*   `GitHub`

- Developed an interactive platform to visualize data structures and algorithms for better conceptual understanding.
- Faced challenges in implementing tree visualization, especially connecting nodes dynamically.
- Designed step-by-step visual demonstrations of insertion and deletion to help users grasp algorithmic operations.

Bus Reservation API | *Java, Spring Boot*   `GitHub`

- Built a robust API to manage ticket bookings, cancellations, and seat availability efficiently.
- Resolved a challenging circular dependency issue that was affecting service-layer interactions.
- Implemented secure authentication and optimized concurrent booking handling for accuracy and reliability.

OrphanConnect - Child Adoption and Care System | *ASP.NET, SQL Server*   `GitHub`

- Developed a management system to streamline orphanage operations, child adoption, and donor interactions.
- Implemented secure authentication and data management to ensure accuracy and privacy in records.
- Optimized workflows for adoption requests, background verification, and resource allocation for better efficiency.

Technical Skills

Programming Languages: Java, C, C++, JavaScript
Web Development: MERN Stack, Nextjs, ASP.NET Framework, Spring Boot, RESTful APIs
Machine Learning AI: NLP, Deep Learning, Transformers, TensorFlow, PyTorch, Scikit-learn
DevOps : Kubernetes, Docker, Jenkins, Firebase
Testing Tools: Jest, Postman, Git, GitHub

Education

Dharmsinh Desai University   **Sep. 2022 – May 2026**
Bachelor of Technology in Computer Engineering   *Nadiad, Gujarat*

Relevant Coursework

- Data Structures
- Operating System
- Computer Network
- Database Management
- Machine Learning
- Deep learning
- Object Oriented Programming

Leadership & Extracurricular

CSI DDU   **2023 – Present**
Senior Technical Associate
Organized and Host events, workshops.

LeetCode: 1570+ rating, and in top 13% , 800+ problems solved.

Led the Bhashathon team, achieving 0.93 GLEU (Hindi), 0.76 GLEU (English) in a misspelling corrector.

Participated in 5+ hackathons, showcasing problem-solving skills.