

Helly Diyora

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EDUCATION

Northeastern University – Khoury College of Computer Science <i>Master of Science in Computer Science</i>	Boston, MA Sep 2025 – Expected May 2027
Gujarat Technological University <i>Bachelor of Engineering in Computer Engineering</i>	Surat, India Jan 2020 – May 2024

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Java, C++, HTML5, CSS3, SQL
Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Redux Toolkit, Tailwind CSS, Material UI, RESTful APIs
Databases: MySQL, PostgreSQL, MongoDB
Developer Tools: Git, GitHub, Docker, AWS (EC2, S3), CI/CD, Postman, Jupyter Notebook, VSCode, IntelliJ, GCP
Core CS Concepts: Algorithms, Data Structures, Networking, Operating Systems, Database Management

PROFESSIONAL EXPERIENCE

Software Developer <i>Softnoesis Private Limited, India</i>	Jan 2023 – July 2025
<ul style="list-style-type: none">Architected and shipped 3+ production-grade MERN stack applications end-to-end, from requirements gathering and database schema design through API development, frontend implementation, and deployment, driving adoption to 500+ active users across multiple client engagementsReduced API response times by 25% through MongoDB query optimization, compound indexing, and data-layer refactoring, enabling faster page loads and improved user experience across high-traffic client applicationsEstablished CI-ready Git workflows with branching strategies, pull request templates, and structured peer code reviews, significantly reducing merge conflicts and improving collaboration across distributed Agile teamsDesigned reusable React component architectures with Redux Toolkit for centralized state management and Tailwind CSS for consistent styling, cutting frontend development time and ensuring uniform UI patterns across multiple projects and teamsCollaborated in Agile/Scrum teams with daily standups, sprint planning, backlog grooming, and retrospectives, consistently delivering features on two-week sprint cycles while maintaining clear communication with cross-functional stakeholders	
MERN Intern <i>Webforest Private Limited, India</i>	July 2022 – Dec 2022
<ul style="list-style-type: none">Developed dynamic, interactive front-end features from scratch for client-facing apps using React.js, implementing responsive design patterns and cross-browser compatibility to ensure seamless user experiences across desktop and mobile devicesEngineered a reusable component library standardizing UI elements such as forms, modals, and navigation bars across projects, improving development consistency and reducing duplicated code across the engineering teamIntegrated REST API endpoints with frontend interfaces using Axios and async state handling, translating Figma UI mockups into fully functional, data-driven views with proper loading states and error boundaries	

PROJECTS

Multi-Calendar Application with Timezone Support	Sep 2025
<ul style="list-style-type: none">Engineered a multi-user calendar system tackling real-world scheduling complexity including cross-timezone coordination, recurring events with flexible recurrence rules, and automatic conflict detection and resolution for overlapping entriesDesigned a clean, extensible architecture leveraging Command and Decorator design patterns grounded in SOLID principles, enabling modular feature additions without modifying existing core logicAchieved 95%+ test coverage via JUnit and JaCoCo with comprehensive unit and integration tests; validated suite quality through PIT mutation testing to ensure robustness against edge cases and regressions	
SyncLife – AI-Enhanced Self Management Platform	Jan 2024 – April 2024
<ul style="list-style-type: none">Created a full-stack productivity platform featuring task management, habit tracking, mood analytics, and journaling modules, all unified under a responsive dashboard with real-time data visualization using Chart.jsGenerated personalized task prioritization recommendations by integrating OpenAI API to analyze user behavior patterns, deadlines, and task importance, combining rule-based scoring with AI-generated suggestions for improved decision-makingSecured the platform with JWT-based authentication and role-based access control; constructed RESTful APIs with input validation, centralized error handling, and structured middleware for clean request processing	

CERTIFICATION

Foundations of Software Engineering and Data Management <i>Northeastern University</i>	July 2025
<ul style="list-style-type: none">Topics: Python Programming, SDLC, Big Data, Data Management Strategies, Data Visualization	
Python 101 for Data Science <i>IBM Cognitive Class</i>	June 2025
<ul style="list-style-type: none">Topics: Python Basics, Data Structures, Pandas, Numpy, Data Analysis	
AI for Beginners <i>HP Life</i>	May 2025
<ul style="list-style-type: none">Topics: AI Basics, Machine Learning, Data in AI, AI Ethics, AI Applications	