

Nency Patel

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EDUCATION

Masters of Computer Science Illinois Institute Of Technology Relevant Coursework: Data Warehousing, Advance Database Organization, Information Security, Science of Programming, Software Engineering, Machine learning	Aug 2023 - Dec 2025 Chicago, IL GPA- 3.66/4.00
Bachelor Of Engineering (B.E) Computer Science and Technology Vishwakarma Government Engineering College (G.T.U) Relevant Coursework: Algorithms & Data Structures, Data management systems, Data Mining, Object-oriented programming	June 2018 - June 2022 Gujarat, India GPA- 3.64/4.00

WORK EXPERIENCE

Graduate TeachingAssistant Illinois Institute Of Technology <ul style="list-style-type: none">Develop course materials and facilitate discussion sections in collaboration with the instructor, enhancing the learning experience and ensuring students have engaging resources and a deeper understanding of complex topics.Grade tests and assignments while providing constructive feedback, helping students identify areas for improvement, and supporting their academic development.	Jan 2024 – Present Chicago, IL
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Jr Software Engineer Infilon Technologies Pvt Ltd <ul style="list-style-type: none">Developed and maintained web applications using the MERN stack and Next.js, enhancing functionality and user experience for diverse projects.Created UI mockups and managed Redux store data, ensuring efficient state management and seamless user interfaces for admin panels and blogging platforms.Integrated third-party React libraries and implemented live updates for a news website using ReactJS, improving interactivity and real-time content delivery.Designed and developed RESTful APIs to enhance backend functionality and user experience across various applications.Resolved live website bugs using JavaScript and Python, managed third-party integrations, and utilized Git for version control and JIRA for project management, ensuring smooth functionality, improved performance, and effective task tracking.	July 2022 – June 2023 Gujarat, India
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Node Js Developer Esmsys Pvt Ltd <ul style="list-style-type: none">Managed backend development and upgrades using continuous integration and deployment, enhancing system reliability and functionality.Architected and implemented scalable server-side applications with Node.js, Express, and SQL databases, ensuring robust infrastructure and high performance.Optimized server-side performance with caching, load balancing, and query optimization, improving response times by 40%.Collaborated with front-end developers to resolve coding issues and ensure seamless API-database interaction, utilizing Postman for testing and validation, and implemented security measures like encryption and authentication to protect data.	Jan 2022 – June 2022 Gujarat, India
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Full Stack Developer Intern Pruthatek <ul style="list-style-type: none">Developed and tested web applications using PHP for the backend, creating design documentation and adhering to the software development lifecycle to ensure high-quality deliverables.Collaborated with cross-functional teams including product managers and designers to ensure efficient delivery of requirements and features, conducting code reviews and utilizing Git for version control.Implemented live updates for an e-commerce website by designing efficient algorithms and data structures, significantly improving load times and responsiveness.	July 2021 – Oct 2021 Gujarat, India
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Data Science & Analytics Intern The Sparks Foundation <ul style="list-style-type: none">Collected and analyzed data from various sources to identify trends and patterns, creating visualizations and reports to effectively communicate business insights.Performed machine learning and data analysis for data modeling and statistical analysis, assisting in decision-making processes with clear, data-driven insights.	Sep 2020 – Oct 2020 Gujarat, India
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PROJECTS

Crypto Forecast Analyzer in Machine Learning <ul style="list-style-type: none">Conduct advanced data analysis using Python and Jupyter Notebooks, leveraging machine learning techniques like LSTM networks and Prophet forecasting tools to predict cryptocurrency prices with high reliability based on comprehensive historical data.Handle and prepare data by utilizing Kaggle datasets for various cryptocurrencies, performing thorough cleaning, preprocessing, and exploratory data analysis (EDA) to standardize data and uncover market dynamics, and using visualization tools to assess risk profiles and analyze price movementsDevelop, adjust, and train forecasting models by integrating real-time data into LSTM and Prophet models, continuously evaluating their performance against actual market trends to improve forecasting accuracy and ensure relevance in the dynamic cryptocurrency market.	Feb 2024- April 2024
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Lost persons Record <ul style="list-style-type: none">Developed a website using the MERN stack (MongoDB, Express, React, Node.js) to help people reconnect with lost family members, ensuring a user-friendly and responsive interface.Designed and implemented two separate panels (Admin and User) where the Admin panel allows for the input and management of accurate information about lost individuals, and the User panel enables users to report and search for lost persons.Integrated real-time communication features using WebSockets and RESTful APIs, allowing authorized users to send and receive messages about the whereabouts of lost individuals, ensuring timely updates and effective communication.	July 2020- Dec 2020
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User Management Module <ul style="list-style-type: none">Developed a multi-use User Management system for the IT sector using Node.js and React.js, providing a standard solution for managing user information, modules, and rights.Implemented role-based access control where administrators can manage roles, permissions, and user access based on projects and roles, ensuring secure and efficient user management.Integrated an SQL database for robust data storage and access, enabling module access according to admin rights, permissions, and request approvals.	Jan 2022- March 2022
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SKILLS AND EXPERTISE

- Technical Skills:** Microsoft Office, PowerPoint, Canva, Linux command line, Machine learning
- Programming Skills:** HTML5, CSS, jQuery, Python, Javascript, React JS, Node JS, Express, Data Structures, C, C++, MongoDB, Flutter, SQL, GIT, PostgreSQL, AWS, MATLAB
- Organizational Skills:** Collaboration, Entrepreneurship, Priorities Work, Agile development