Nency Patel

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EDUCATION

Illinois Institute Of Technology   Chicago, IL
Masters of Computer Science | GPA - 3.70/ 4.00   *08/2023 – 05/2025*

Vishwakarma Government Engineering College   Gujarat, India
Bachelor of Computer Engineering | GPA - 3.87/ 4.00   *06/2018 – 06/2022*

EXPERIENCE

Software Developer Intern @ *Hyphenova Network* | Chicago, IL   09/2024 – 12/2024
- Defined and directed backend architecture for a brand–creator collaboration platform using FastAPI, PostgreSQL (Supabase), and RESTful APIs, enabling secure authentication, real-time data sync across web/mobile, and reducing API latency by 20%.
- Enhanced API performance by introducing caching and optimizing DB queries, achieving a 30% drop in response times.
- Directed cross-platform applications with FlutterFlow, React Native, focusing on UI efficiency and visual mockup using Framer, reducing development time by 30%.
- Automated end-to-end testing with Jest and device emulators, improving test coverage by 15% and reducing production defects.
- Facilitated sprint planning sessions, restructured backlog grooming process using Agile methodologies, and decreased the number of unresolved bugs at sprint end by 27%.
- Collaborated with cross-functional teams using version control systems like Git and GitHub for codebase management, contributing to sprint planning and ensuring smooth CI/CD workflows across cross-functional teams.

Jr Software Engineer @ *Infilon Technologies Pvt Ltd* | Gujarat, India   07/2022 – 06/2023
- Drove performance improvements across five full-stack applications developed with MERN and Next.js, advancing code-splitting strategies that decreased initial JavaScript bundle sizes by 30% and improved page load times by 2 seconds.
- Engineered a scalable library of 15+ reusable React components with effective state management using Redux Toolkit and GraphQL, reducing code duplication by 20% and accelerating UI development by 15% across sprints.
- Led UI/UX optimization efforts for full-stack apps using Tailwind CSS and component-based design, enhancing visual consistency and accessibility by 25%.
- Revamped Git branching strategy and implemented pull request review protocols, leading to a 20% decrease in production bugs and improving team code quality through enforced peer review cycles.
- Engaged in Git-driven code reviews and participated in daily Agile stand-up meetings, using Bitbucket and Jira for collaborative project management.

Software Developer @ *Esmsys Pvt Ltd* | Gujarat, India   01/2022 – 06/2022
- Engineered API security protocols, 15 critical API security issues, surpassing targets by 20%, and safeguarding user data.
- Optimized server performance in a high-traffic Node.js application by implementing in-memory caching (Redis) and refining MongoDB queries, resulting in a 48% improvement in response times.
- Mapped UI architecture for core application modules, decreasing initial load times by 1.8 seconds and reducing server load by 15% through strategic code optimization.

Full-stack Developer Intern @ *PruthaTek* | Gujarat, India   06/2021 – 10/2021
- Introduced intuitive web application interfaces using Tailwind CSS and Figma, improving usability scores in user testing by 20%.
- Revamped e-commerce site's PHP infrastructure to address critical bugs and improve user experience, leading to the identification of slow loading times that fixed the three biggest causes of abandonment.

PROJECTS

GitState | *Python, Flask, React, PostgreSQL, Docker, ML*
- Initiated a full-stack analytics platform using React, Flask, and Redux Toolkit to track GitHub repository activity, enabling real-time insights into issue creation, closure rates, and contribution trends and improving code review efficiency by 40%.
- Assessed and deployed containerized microservices with Docker on the Google Cloud Platform, ensuring scalable backend APIs and ML inference.
- Integrated LSTM, Prophet, and StatsModel forecasting models into Flask services to predict future issue activity, achieving 90 %+ accuracy in visualization.

Lost Persons Record | *MongoDB, Express.js, React.js, Node.js, WebSockets, RESTful API*
- Architected a MERN stack web application secure user authentication and data encryption, protecting sensitive personal information for over 50 registered users searching for relatives.
- Constructed role-based dashboards to boost security and streamline UX by 60%.
- Enabled Integrated live REST API alerts, increasing user engagement by 30% in the first month.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, HTML5, CSS, Dart, C++, C, c#
Frameworks:: ReactJS, NodeJS, Express, FastAPI, Flutter, FlutterFlow, jQuery, NextJS, React Native, GraphQL, Apollo, AngularJS, Flask, TailwindCSS , Redux Toolkit, Flask , Tailwind CSS , Swagger, ES6
Databases: MongoDB, PostgreSQL, MSSQL Server, MySQL, Oracle, SQLite , Database Design, Data Modeling
Tools: Linux Shell Command, AWS , Postman, GCP, Docker, Git, GitHub, Jira, Swagger, Gitlab, Terraform, Scrum, Framer, Figma
Data Science & Machine Learning: TensorFlow, MATLAB,Scikit-learn, Data Visualization, Spark, Hadoop, NLP, Keras, NumPy, Pandas, ETL