

Dev Ashishkumar Patel

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with expertise in API development, maintenance, and full-stack web applications. Proficient in Python, React, and Node.js, with a strong track record of building scalable and user-centric applications that enhance performance and user experience. Seeking opportunities in software engineering, full-stack development, and DevOps.

EDUCATION

Indiana University Bloomington

Master of Science in Computer Science - GPA: 4.0

Indiana, USA

Aug 2024 - May 2026

Dharmsinh Desai University

Bachelor of Technology in Computer Engineering - GPA: 4.0

Gujarat, India

July 2019 - May 2023

TECHNICAL SKILLS

Programming: Python, C, C++, Java, SQL, JavaScript, HTML, CSS

Frameworks: React JS, Node.js, Flask, FastAPI

Databases: PostgreSQL, MongoDB, MySQL, SQLite3

Tools Technologies & Methodologies: Git, Docker, AWS, JIRA, Machine Learning, REST API Development

EXPERIENCE

Crest Data | *Software Engineer*

Dec 2022 - Jul 2024

- Spearheaded the design and deployment of **10+ Datadog SIEM connectors** in Python, enabling real-time infrastructure monitoring for **25+** enterprise clients.
- Enhanced and refactored legacy code for **5+ Datadog connectors**, boosting system performance and reliability.
- Led cross-team collaboration, gathering requirements and delivering technical solutions, reducing issue resolution time by **40%**.
- Engineered proactive security solutions that cut real-time attack mitigation costs by **65%**, improving overall system resilience.

Infinity IT Solution | *Full Stack Developer Intern*

April 2022 - Jun 2022

- Developed and launched a dynamic product-selling platform, admin dashboard, and customer support chat system using ReactJS, Node.js, and MySQL, enhancing user engagement by **30%**.
- Slashed query resolution time by an impressive **50%**, enhancing efficiency and responsiveness.

IU Luddy Autonomous Racing Team | *UI/UX Developer*

Dec 2023 - Present

- Collaborated on the IU Luddy Autonomous Racing Team website, developing responsive user interfaces using ReactJS and NodeJS.
- Contributed to the dashboard for the IU Autonomous Racing Car, integrating real-time data from the Robotic Operating System (ROS) using NodeJS, ReactJS, and Socket.IO.
- Researched and analyzed the integration of Google Maps API and racing track visualization using the D3 library.

PROJECTS

BackOps.AI - A Backend AI system automated via Natural Language Processing.

Nov 2024 - Dec 2024

Tech: Python, FastAPI, VanillaJS, SqLite, Docker, OpenAI

- Led a four-member development team to build a highly scalable backend system leveraging FastAPI, facilitating seamless interaction with OpenAI's API for text and voice input processing.
- Engineered an asynchronous communication pipeline, optimizing response times and enhancing system throughput by **50%**.
- Developed an interactive analytics dashboard with dynamic visualizations for enhanced auditing and monitoring.

Intelligent Credit Risk and Limit Optimization

Aug 2024 - Dec 2024

Tech: Python ML

- Developed an intelligent credit risk management system using advanced machine learning techniques to predict credit card defaults and optimize credit limits.
- Developed and deployed high-accuracy **80%+** data-driven algorithms for analyzing repayment patterns and spending behavior, while exploring advanced deep learning models such as LSTM to enhance time series data generalization in credit risk assessment.
- Engineered high-accuracy **80%+** credit risk prediction models using ML and deep learning, enhancing financial decision-making.

Management Quota Admission

Dec 2021 - May 2022

Tech: ReactJS, NodeJS, MySQL, RazorPay API

- Led a team of three developers in creating an online platform to digitize the college admission process.
- Worked on both front-end (ReactJS) and back-end development, demonstrating full-stack capabilities.
- Integrated payment feature using Razorpay API Gateway via NodeJS API, showcasing ability to work with external APIs.