

Nidhish Manish Vyas

Jersey City, NJ | (551) 328-7728 | nv373@njit.edu | www.linkedin.com/in/nidhish-vyas | github.com/NidhishVyas

Education

New Jersey Institute of Technology

Master of Science in Computer Science

Coursework – Data Structures and Algorithms, Database Management Systems Design, Web Systems Development

Newark, New Jersey

May 2025

University of Mumbai

Bachelor of Engineering in Information Technology

Coursework – OOPs, Software Engineering, DevOps, Data Mining, Artificial Intelligence, Data Science

Mumbai, India

May 2023

Skills

- **Programming:** Java, Python, C, C++, JavaScript, TypeScript, R Program
- **Web Development:** ReactJS, NodeJS, Bootstrap, CSS, HTML, Angular, NextJS, Express, AngularJS, Django
- **Mobile Development:** React Native, Flutter
- **Web Services/Platforms:** Firebase, Cloud Computing (AWS, Google Cloud Platform), Postman, Google Colab, Jupyter Notebook, Heroku, Digital Ocean
- **Databases:** MongoDB, SQL Server, MySQL, PostgreSQL
- **Technology Tools:** Git, GitHub, Docker, Android Studio, VS Code, Linux, Wireshark, Figma, Jenkins
- **Soft Skills:** Communication, Technical Leadership, Innovation, Strategic Thinking, Accountability

Work Experience

NJIT FinTech Lab, New Jersey Institute of Technology

FHWA-EAR Program, Software Developer

Newark, New Jersey

January 2024 – October 2024

- Achieved secure and efficient communication by implementing DIDComm protocols to enable seamless web-to-mobile interaction, leveraging blockchain technology and decentralized identity for expanded functionality
- Deployed credential issuing entity and verifier using Zero-Knowledge Proofs for secure authentication
- Accomplished enhanced operational efficiency and data accuracy by streamlining vehicle transactions with real-time updates and automated workflows, significantly improving overall user experience and reliability
- Increased user satisfaction and platform stability by developing innovative React Native apps and blockchain-based solutions using React Native, TypeScript, and Hyperledger Aries (Bifold), ensuring seamless application functionality
- Integrated FHWA-EAR Program into Master's Project for exploration of advanced technologies

Pushpak Rail Constructions Pvt. Ltd.

Full Stack Developer Intern

Mumbai, India

April 2022 – October 2022

- Directed the design and implementation of a farmhouse booking website, enhancing system efficiency, responsiveness, scalability, and overall user experience through front-end and back-end development
- Boosted farmhouse bookings by 13% through a user-friendly interface and streamlined information access, providing detailed admin statistics to enhance decision-making and operational efficiency
- Transformed a Figma design into a fully functional web-based application by leveraging MERN stack, enhancing user experience, enabling real-time updates, and improving application responsiveness and usability
- Managed post-development deployment process by overseeing domain acquisition, deployment management, and continuous maintenance using Git, achieving a 30% increase in website traffic and a 50% reduction in loading time

Academic Projects

College Student Portal (www.portal.siesgst.ac.in)

June 2021 – May 2023

- Designed and developed a website application using MERN stack, integrating a customizable event calendar and RSVP system, driving a 17% increase in campus event participation and boosting student engagement
- Guided a team to refine website's structure, speed, and accuracy by implementing Agile framework and innovative strategies, resulting in a 34% enhancement in digital reach and improved overall performance
- Generated over 15,000 hits upon deployment and maintains a base of over 2,500 active users by strategically leveraging SEO, social media, and email marketing to significantly enhance user engagement and retention

Crowdfunding using Blockchain

June 2022 – May 2023

- Led a team of three to develop a website-based crowdfunding application using JavaScript, HTML, CSS, Blockchain, and Smart Contracts, resulting in elevated project success rates and augmented startup funding opportunities
- Tailored a secure and efficient crowdfunding platform to align with user preferences, achieving a 23% increase in user satisfaction, while enhancing interaction, trust, usability, and overall platform engagement