

FNU DEEPANSHU

(716) 930-2842 fnudeepanshu@gmail.com <https://www.linkedin.com/in/deepanshu-jain13>
<https://github.com/djain1309> New York, USA — Open to Relocate

Professional Experience

Tavant Technologies

Aug 2021 – Aug 2022

Senior Software Engineer

Noida, India

- Spearheaded in the E-Commerce Domain & designed and expertly implemented front-end components using **JavaScript, React.js, Redux, Micro-Frontend, and TypeScript**, integrating with backend technologies such as **NodeJs, ExpressJs, MongoDB, and SQL Server**, yielding in a 20% decrease in page load times.
- Creation of scalable, robust, testable, efficient, secured, and maintainable code leveraging **JAM Stack deployments and AWS infrastructure** while conducting **code reviews and preparing technical documentation** to ensure high-quality code delivery, resulting in an 90% reduction in bugs.
- Employed **CI/CD practices** to maintain a seamless and optimal performance for **web and mobile** applications, resulting in a 25% increase in client satisfaction.
- Collaborated with stakeholders to establish a clear understanding of needs and designed components for **High-Level Design (HLD), Low-Level Design (LLD), Data Models and Sequence Diagram** using **Lucid Chart**, ended in a 35% reduction in complexity, improved functionality, and a better user experience.

EY Ernst & Young

May 2021 – Aug 2021

Senior Software Engineer

Kochi, India

- Leveraged expertise in **Vue.js** to create and enhance front-end of an application, resulting in a 25% improvement in loading time and enhanced UI.
- Implemented a secure authentication and authorization system that enforced user login rights, restricted URL access, and prevented unauthorized access, ensuring application protected from potential security threats and attacks.

Infosys

Nov 2017 – May 2021

Senior Systems Engineer

Chennai, India

- Engineered **vAuto**, a high-performance Automation Framework employing the **MERN stack & Flask (Python)** to execute automated test cases, resulting in a remarkable 40% enhancement in team workflow efficiency.
- Architected **RESTful APIs and socket.io & chart.js** for test case execution, live logging, user interface, report generation, and data visualization, culminating in a 20% increase in productivity.
- Developed Wi-Fi Automation tool with real-time logging via **socket.io & MongoDB** storage. Optimized performance by 15% with indexing and sharding, and assured scalability, robustness, and testability.
- Optimized front-end code by 25% using techniques such as **Modern JavaScript, ES6, Axios, webpack, babel, functional components, lazy loading**, and performance optimization strategies.
- Converted vAuto from a proof of concept to production code, achieving 40% improvements in workflow efficiency and productivity.

Academic Projects

IIMS Web Application for Incident Analysis & Emergency Response

Jan 2023 - May 2023

- Developed an innovative IIMS web application with **React.js & Python, Flask**, enabling efficient data exchange and incident data visualization. Yielded 30% reduction in incident response times & reinforced decision making.
- Improved incident analysis by using Wejo data, leading to a 25% decrease in emergency service dispatch times and streamlined traffic flow.

Education

University at Buffalo (State University of New York at Buffalo)

Aug 2022 – Dec 2023

Master of Science, Computer Science (GPA: 3.7/4.0)

New York, USA

Relevant Coursework : Analysis of Algorithm, Machine Learning, Information Retrieval, Natural Language Processing.

GLA University

Aug 2013 – Aug 2017

Bachelor of Technology, Computer Science (CGPA: 7.5/10.0)

Mathura, India

Technical Skills

Languages : JavaScript, Python, C++, TypeScript, Java.

Web Development Technologies : React.js, Redux, Next.js, Flask, Django, Node.js, Express.js, RESTful Web Services (API), Vue.js, Angular, Web Socket.io, GraphQL, Mocha, Jest, Material UI, D3.js, Chart.js.

Databases : MongoDB, MySQL, PostgreSQL.

Tools : GitHub, Git, Version Control, Code review, Linux, Postman, Agile, Scrum, Microsoft Azure, CI/CD pipeline, MVC Architecture, Microservices, NPM packages, Algorithm & system design and Cloud Services.