

VANDIT TEJAS POPAT

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EDUCATION

MS in Computer Science, New Jersey Institute of Technology **GPA: 3.95/4.0** *Sep 2022 - Dec 2023*
Coursework: Data Structures and Algorithms, Advanced Data Management System Design, Cloud Computing, Operating Systems, Web System Development, Data Analytics with R

B.Tech in Information Technology, KJ Somaiya College Of Engineering **GPA: 3.2/4.0** *Aug 2017 - May 2021*
Coursework: Computer Architecture, Database Management, Machine Learning, Artificial Intelligence & Cloud Computing

SKILLS

Programming Languages : Java, HTML, CSS, JavaScript, Python, XML, C, C++, PHP
Web Frameworks & Technologies: Node.js, React.js, Angular.js, Vue.js, Yii2 PHP, Linux, Git, MVC Framework, Flask
Big Data: Oracle SQL, MySQL, MariaDB, NoSQL
Cloud Platforms: Amazon Web Services, Microsoft Azure, Google Cloud Platform
Leadership: Conference Manager: Residence Life in NJIT

WORK EXPERIENCE

New Jersey Institute Of Technology, HEAD TEACHING ASSISTANT *Sep 2023 - Dec 2023*

- Served as **Head Teaching Assistant** for **Data Structures and Algorithms** under Dr. Ravi Varadrajan
- Aligned tutoring with course objectives, and collaborated with professors and teaching assistants, resulting in a **20 %** performance increase and **15 %** decrease in dropouts
- Directed graduate students in project work, programming assignments, and lecture notes, offering assistance in exam preparation and addressing conceptual doubts to facilitate a comprehensive understanding of the coursework

Vistaar Private Ltd., SOFTWARE ENGINEER *Jul 2021 - Jul 2022*

- Built a customizable real-time analytics dashboard to visualize pricing for a variety of external clients from industries like retail medicine, surgical supplies, and beverage alcohol using **Vue.js** framework
- Enhanced pricing for clients by **35 %**, utilizing analytics and **Java with XML scripting** for backend optimization
- Led migration of the solution from **Oracle SQL** to **MariaDB** resulting in **25 % cost reduction** to the company

Cisco, SOFTWARE ENGINEERING INTERN *Feb 2021 - Apr 2021*

- Increased the code-coverage of **Identity and Access Management (IAM)** REST API by **40 %**
- Built Testing Orchestration Framework to translate designs and wireframes into a functional web app
- Leveraged a fast **Yii2 framework** and **PHPUnit** to drive Automated Testing effort

DreamWeaver Private Ltd., SOFTWARE ENGINEERING INTERN *Jun 2020 - Dec 2020*

- Collaborated with cross-functional partners, including wireframes, product management, and engineering to build a **production ready** online retail solution
- Automated inventory tracking and replenishment, resulting in a **60 %** reduction in manual data entry and associated errors
- Incorporated **AngularJS** for front-end, **PHP** for server-side, and **MariaDB** for data storage, and deployed the application

PERSONAL AND OPEN-SOURCE PROJECTS

Jabil R&D Development, PYTHON UNIT TEST, NODEJS, JEST FRAMEWORK, GIT *Sep 2023 - Dec 2023*

- Spearheaded a capstone project during the final year of graduate school that secured **1st** place amongst **45 teams**, focusing on a comprehensive testing strategy for a web application
- Orchestrated backend and frontend unit tests utilizing Jest for frontend, and created a new frontend testing system from scratch, achieving **90 %** code coverage
- Boosted backend coverage by **60 %** through **coverage library integration**, using HTML reports for in-depth analysis, targeted improvements, enhanced code quality, and team collaboration
- Developed a user-friendly script for streamlined GitHub program release downloads, enhancing user accessibility and contributing to outstanding project execution

Banking Application, PYTHON, FLASK, AWS, DOCKER, HEROKU *May 2023 - Aug 2023*

- Developed a secure banking app with account creation, profile editing, and seamless money transfer
- Implemented tech stack: AWS for storage, Flask for Back-end, Docker for containerization, deployed on Heroku for cloud hosting
- Ensured robust data encryption, transaction handling, and security compliance for a scalable financial app

E-Waste Management System, REACT.JS, PHP SCRIPTING, STRIPE API, ORACLE SQL *Sep 2020 - May 2021*

- Engineered an e-waste management platform for producers, service centers, and recycling facilities, ensuring transparency and profitability
- Trained a machine-learning model with **75 %** accuracy on a 500,000+ product dataset to distinguish e-waste types
- Developed an implementation plan for state-wide adoption in Maharashtra, India, targeting **300,000+ stakeholders**