

# NAVYA KANYADHARA

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## SUMMARY

Results-driven Computer Science graduate student at Purdue University with 2 years of professional experience as a Software Engineer at DXC Technology. I am skilled in performance testing, automation scripting, and front-end technologies like HTML, CSS, and ReactJS and proficient in node.js for backend technologies. Certified in Microsoft Azure (AZ-900) and NeoLoad, with expertise in load testing, system optimization, and enhancing software quality. Adept at collaborating with cross-functional teams to improve scalability, user experience, and software performance.

## EDUCATION

### Purdue University, USA

Aug 2023 - May 2025

*Master of Science, Computer Science*

**Coursework:** Web Development, Machine Learning, Algorithm Design Analysis and Implementation, Software Testing, Software Engineering, Cryptography and Network Security, Game Design

### Vel Tech University, India

June 2017 - May 2021

*Bachelor of Technology, Computer Science and Engineering*

**Coursework:** Java, Operating Systems, Programming in C, Data Structures, Computer Networks, Database Base Management System, Data Ware housing and Data Mining, Artificial Intelligence, Cryptography and Network Security, IoT, Mobile Application Development, Internet Programming.

## EXPERIENCE

### DXC Technology

**Associate Software Engineer**  
2023

July 2021 - Jul

- Conducted **load testing and stress** testing to evaluate system performance, identifying performance bottlenecks and optimizing scalability by 30%.
- Developed and maintained **automation scripts** for performance testing, streamlining test execution and improving efficiency by 25%.
- Executed **Selenium testing** for UI automation, improving test coverage and reducing execution time by 15%.
- Performed **regression and functional testing**, ensuring high-quality software releases with minimal defects.
- Created and executed **manual test cases**, leveraging **JIRA** for defect tracking and reporting.
- Collaborated with cross-functional teams and attended **Agile** sprints and **Scrum** meetings, ensuring timely delivery of testing milestones.
- Contributed to the enforcement of quality standards across the **SDLC**, supporting robust software releases.
- I gained hands-on experience with industry-standard tools like **JMeter**, **BlazeMeter**, and **ALM Octane DevOps**.

### Entry/Exit Criteria:

- Entry Criteria:** Reviewed requirements and created a detailed test plan that defined testing goals, scope, and resources. Ensured the environment was set up correctly, and all necessary tools were ready for execution.
- Exit Criteria:** Ensured all planned test cases were executed, and defective resolution met the required standards. Reported comprehensive test results and confirmed that no critical issues were outstanding before release.

### K7 Computing, Pvt Limited

**Software Intern**

Jan 2021 – March 2021

- Assisted in research and development projects focused on **network security and cyber threat mitigation**.
- Utilized **Wireshark on Linux** for network traffic analysis, identifying vulnerabilities and security risks.
- Supported the development of strategies to **detect, prevent, and mitigate offensive cyberattacks**.
- Collaborated with the team to analyze **network traffic** and propose security enhancements for secure data transmission.

### Purdue University, Fort Wayne, Indiana

**Teaching Assistant**

Aug 2024 – May 2025

- Engineered an automated grading system for a Marketing and Management course, cutting manual grading time and boosting assessment consistency.
- Realized a 50% grading time reduction and 95% grading accuracy, enhancing student engagement by 20% through rubrics, online platforms, and interactive learning

## ACADEMIC PROJECTS

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### Talent Acquisition Hub Website

- Developed a centralized platform connecting job seekers and employers, streamlining recruitment and enhancing collaboration.
- Implemented Cypress testing to ensure robust UI functionality, reducing post-launch bugs by 15% and improving user satisfaction.

### Skill Recommendation System

- Designed and implemented a personalized system offering skill development recommendations based on user profiles and preferences, improving learning outcomes by 20%.

### Image Processing with CNNs

- Built an image processing solution using Convolutional Neural Networks (CNNs) to address real-world challenges, demonstrating expertise in deep learning and computer vision.

## SKILLS

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- **Programming Languages:** Java, Python, JavaScript, C, MySQL
- **Cloud Platforms:** AWS Cloud, GCP, Microsoft Azure
- **Databases:** MongoDB
- **Frontend Technologies:** HTML, CSS, ReactJS
- **Back-end Technologies:** Node.js
- **Testing Tools:** JMeter, NeoLoad, Postman, SoapUI, Selenium, Cypress
- **Testing Expertise:** Manual Testing, Stress Testing, Load Testing, Automation Testing
- **Development Tools:** Git, Jira, Confluence
- **Methodologies:** Waterfall, Agile, Scrum Master

**Soft Skills:** Strong interpersonal and communication abilities, effective collaboration in cross-functional teams, proactive problem-solving, and adaptability.