Neha Singh

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TECHNICAL SKILLS

- **Programming Languages:** JAVA | Python | Javascript | SQL | BASH (Shell Scripting) | C | C++
- **Front-End Development:** React JS | Angular | Jest | HTML5 | CSS | Redux
- **Server-Side Development:** Node.js | Express.js | RESTful API Design | SQL
- **DevOps & Automation:** Jenkins | Git | Nightwatch.js | Selenium | SPIRA | Automated Testing
- **Cloud Computing:** Google Cloud Platform | AWS
- **Operating Systems:** Linux| OS X |UNIX | Windows 11
- **Database Management:** My SQL Server | No-SQL (MongoDB) |PostgreSQL
- **MS Office:** Excel | Outlook | PowerPoint | Word
- **Interpersonal Skills:** Analytical | Collaboration | Adaptability | Problem Solving| Communication

EDUCATION

Master of Applied Computing Artificial Intelligence Stream   Sep 2023 - Dec 2024
University of Windsor, Windsor, ON
- Final semester of program requires a 4- or 8-month internship would start in August/ September 24'

Bachelor of Engineering, Computer Science   Aug 2017 - Jul 2021
University of Mumbai, Mumbai, India
- Recognized with a Silver Medal for outstanding academic performance

PROFESSIONAL EXPERIENCE

Agile Software Developer   Jul 2021 - Aug 2023
Tata Consultancy Services LTD, Mumbai, India
Modern Web App Development, DevOPs, Agile, Automation
- Translated **user requirements & written NDS** into pixel-perfect coding solutions, Implemented and adhered to a **component-based architecture** using frameworks such as NextJs, React Js, REST APIs.
- Independently tackled coding tasks along with active collaboration with teams , exceeding client expectations by 20%
- Conducted **defect analysis and prevention reports**, **worked with team** to reduce the overall defect rate by 15% by debugging issues and placing test driven development process in place.
- **Identified and documented bugs and crashes** for web and mobile (iOS & Android) applications
- **Conceptualized and developed a proof of concept** for a client facing project, demonstrating remote command handling via Node.js, showcasing strategic problem-solving skills, resulted in a **50% decrease in response time** for **remote commands**
- **Performed story verification** and exploratory testing in an Agile development environment
- Organized and led **Agile ceremonies and scrums with stakeholders**, ensuring **attention to detail**, resulting in **90% adherence to sprint timelines** and project objectives

- Coordinated development and execution of 50+ API requests operating Postman, facilitating seamless integration, ensuring project's success
- Followed release management system and utilized code review processes via **Gerrit and JIRA** to facilitate knowledge sharing and best practices
- **Executed and learnt new technologies like GO JS** for fit with the system, to deliver interactive images, charts and diagram features for better output analysis in a **span of a month**

PROJECTS

SnapFit: A Revolutionary Solution for Childhood Malnutrition (Team)
University of Windsor, Windsor, ON   Jan 2024 - Apr 2024
Data Modeling and Analysis, AI, Web Development, ML
- Ability to understand and translate technical information to simplify and articulate the business value achieved through data and AI, to extract meaningful insights from meal photos and provide tailored nutrition recommendations.
- Provided clear and concise verbal updates during daily stand-up meetings, while maintaining open channels of communication through detailed written reports and documentation, resulting in a satisfaction rate of over 90% regarding project communication and transparency

Endometriotic Lesion Detection in Laparoscopic Images (Team)   Feb 2024 - Apr 2024
University of Windsor, Windsor, Ontario
Artificial Intelligence, CNN, Deep Learning
- Automated endometriosis diagnosis and Demonstrated understanding of data, analytics & reporting by improving AI accuracy in analyzing laparoscopic images.

EXTRACURRICULAR/VOLUNTEER ACTIVITIES

Technical Project Coordinator   Sep 2023 - Sep 2024
University of Windsor - AI CLUB, Windsor, Ontario
- Conducted in-depth data analysis, identifying key trends and patterns, and collaborated with stakeholders to translate technical findings
- Managed multiple technical projects within the AI club, dealing with ambiguity and working autonomously with limited guidelines.

PUBLICATIONS

- EDUROID- Application for Quality Education in Rural India, World Wide Journals
- Issued May 2021, URL: https://www.worldwidejournals.com/indian-journal-of-applied-research-(IJAR)/article/eduroid-application-for-quality-education-in-ruralindia/MjgyMjI=/?is=1&b1=21&k=6

AWARDS AND ACHIEVEMENTS

Xcelerate Warrior Award & Elevate Wings Appreciation,
Tata Consultancy Services LTD.   Jan 2023 – Present
- Recognized by organization for continuous learning and dedication to professional development

Project Presentation,
The Institution of Electronics and Telecommunication Engg   Apr 2019 - Present
- Presented a project displaying effective communication and presentation abilities