

DEEP SHAH

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EDUCATION

Western University

Sep 2021 – Apr 2025

Bachelor of Science - **Computer Science** | Dean's List 2022-2023

London, ON, Canada

- **Relevant Courses:** Data Structures and Algorithms, Introduction to Software Engineering, Object-Oriented Design and Analysis, Databases I, Project Management for the Sciences
- **Certifications:** Relational Database and SQL Essentials (Amigoscode)

EXPERIENCE

Vidyard

Sep 2023 – Dec 2023

Software Developer Intern

Kitchener, ON, Canada

- Increased user retention by **20%** and reduced monthly frontend support tickets by **30**, by revamping the AI-generated video tool with **Vue.js** and **React**, advised by user feedback via **SurveyMonkey** to understand needs and pain points
- Improved test coverage on critical user-facing features by **60%**, by implementing effective backend testing using **Jest**
- Revitalized code readability and eliminated redundancies, leading to a more streamlined development process and saving **15 hours/week** in code maintenance and troubleshooting efforts, through strategic refactoring of the codebase

IPEX

May 2023 – Aug 2023

System Analyst Developer Intern

Oakville, ON, Canada

- Reduced downtime from **14%** to **2%** when managing file transfers and migrations to Lofware, by implementing a file transfer service in **C#** using **.NET** to autonomously monitor product images on the Spectrum server
- Saved **20 hours/month** by replacing reliance on the external application, InfoFlo, and streamlining inventory management processes, through the production of an inventory adjustment system using **C#**, **.NET**, and **SQL**
- Refined precision of item-vendor mapping by **183** basis points on **ASP.NET**, by employing advanced analytics to identify and rectify inefficiencies in API Gateway interactions, thereby reducing missed promises
- To support **750+** factory workers and increase daily production by **50** piping products, the development of a **GPT**-powered chat bot system using **Next.js** and **Azure AI** was planned

Project: Human City

Jan 2023 – Apr 2023

Product Manager Intern

Toronto, ON, Canada

- Grew community engagement by **30%** by leading a cross-functional team to develop an AR-integrated mobile application that assists in envisioning community projects, using **Agile** methodologies and project management tools like **Jira** and **Trello**
- Enhanced object and gesture detection accuracy by **44%** through the integration of **YOLO** and **CNN** models, informed by **A/B testing** to refine the user experience
- Migrated from expensive, manual servers to **AWS Lambda** serverless computing and **MongoDB Atlas**, slashing operational costs by **80%** post an in-depth cost-benefit analysis
- Halved feature deployment time and achieved **99.9%** uptime by implementing efficient **CI/CD** pipelines with **GitHub Actions**, advancing team productivity and software reliability

Western Developers Society

Oct 2022 – Mar 2023

Project Manager

London, ON, Canada

- Drove a **40%** growth in club membership by spearheading the "Western Developers League" competition, managing logistics from planning to execution with over **300** participants
- Elevated website speed significantly by applying **Lean** principles for process efficiency, employing **Asana** for effective task management, leading to quick and notable performance enhancements
- Boosted engagement by **95%** and streamlined club operations by pioneering custom Discord bots using **Scrum** for fast rollout, optimizing communication

PROJECTS

Navigator

- Accelerated user ability to search and explore Western University's interior spaces by developing a **Java** application with the **Swing** GUI, applying **Kanban** methodologies and leveraging available maps
- Upgraded data exchange speed and interoperability between diverse systems by using **JSON** to store map metadata locally
- Achieved **100%** test coverage by writing over **75** extensive unit and integration tests with **JUnit**

SKILLS

Languages: C, C#, CSS, HTML, Java, JavaScript, Python, SQL

Frameworks/Libraries: .NET, ASP.NET, Jest, JUnit, React, Vue.js

Tools: Asana, Bitbucket, Confluence, Eclipse, Git, GitHub, GitHub Actions, Jira, SurveyMonkey, Trello, Unix, Visual Studio

Methodologies: Agile, DevOps, Kanban, Lean, Scrum, Waterfall