

# Adheesh Kumar

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## Education

### University of Waterloo

Bachelors of Honours Computer Science, Co-op

Class of 2024

## Professional Experience

### Kindred AI

Software Developer | SORT Product Team

May - December 2022

- Debugged source of corrupt input data leading to compromised system state (python, C++, Go, AWS, multiprocessing), solution restored true robot state and avoided incurring operational losses.
- Inspected extreme shifts in camera angle and discovered pattern of collisions caused by planned arm motion (AWS, Excel, Datadog), resulted in prevention steps and notably reduced robot downtime.
- Implemented data retrieval and processing pipeline (AWS, Excel, SQL) to accumulate insight on emergency stops, learnings improved support team handling and drove development efforts.
- Created a frame tear detector (python) and completed accuracy/speed testing using ~9000 production images (AWS, multiprocessing) to assess usage potential, target performance achieved.
- Presented projects to engineering department (Confluence, Jupyter Notebook, Powerpoint) highlighting operational relevancy, advanced organizational knowledge base and efficacy.

### Definity

ServiceNow Developer | Technology Solutions (TS)

September - December 2021

- Proposed development story solutions to team and provided feedback on peer designs, streamlined the alteration, verification and acceptance processes.
- Delivered all development stories by maintaining thorough task records (JIRA) and efficient collaboration with quality assurance, effectively contributed to the team's sprint cycle success.
- Identified and resolved vulnerabilities in development story requirements by implementing error handling in workflows (Javascript), resulted in high integrity forms and reliable user experience.
- Presented solutions to customers by walking through use cases and addressing inquiries, led to clear development revisions and rapid client approvals accelerating project completion.

Database Administrator | Technology Solutions

May - August 2020, January - May 2021

- Identified root cause of database server rapidly approaching maximum capacity (IBM AIX, MS SQL Server) and promptly provided resolution steps, successfully restored server health and capacity.
- Optimized processes for 5 database related tasks (OEM, Excel) critical for successfully upgrading 150+ production databases, completed upgrades over 16 hours while maintaining data integrity.
- Devised workflow to delete obsolete data from companywide hard drive reaching maximum capacity (C/C++), successfully freed 14% of storage space while preserving all valuable records.

### Doxim

.NET Implementation Specialist | Professional Services (PS)

May - August 2019

- Developed automated smoke test scripts (Selenium) to validate multiple environments for a client project implementation, reduced testing duration by 80% improving turnaround time by 2 days.
- Produced comprehensive technical training and team operation materials (Confluence, Word, .NET, MS SQL Server, XML), resulted in faster new hire onboarding and persistent key team standards.
- Balanced 11 concurrent projects through effective team utilization and prioritization, significantly advancing all projects and completing 4, substantially reduced client implementation backlog.

Strengths	Proficient Languages	Industry Tools	Hobbies & Interests
Analytical Thinker	Python	Git	Guitar
Strong Communicator	C/C++	Docker	Formula One
Problem Solver	SQL	JIRA (Agile)	Cooking
Adaptable	JavaScript	Microsoft Suite	Tennis
Personable	Go	AWS	Hiking