

## Contact

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[blankverse142.wordpress.com/author/ankita071990/](https://blankverse142.wordpress.com/author/ankita071990/) (Blog)

## Top Skills

LLM  
Agent AI  
Agentic Patterns

## Languages

Hindi  
English (Full Professional)  
German (Professional Working)

## Certifications

NIIT CORE JAVA  
Terraform  
Redis for AI  
Java Essentials for Hadoop  
Generative AI- Risk and  
CyberSecurity Masterclass 2024

## Honors-Awards

Member of Golden Key International  
Honour Society

# Ankita Suman

Research & Development Engineer | AI & Storage Solutions  
Specialist | C++, GoLang, Python | 13+ years of Software  
Development Experience.

Canada

## Summary

I have total 13+ years experience in Application development. I am currently working with Huawei Technology in the Cloud Computing and Distributed Database domains as part of the PaaS team. My focus has been on database cache systems and agentic AI-driven orchestration workflows to enable resilient architectures resilient, scalable systems capable of managing complex workflows and high-performance data storage. Additionally, I have contributed to several storage solutions, including those for In-Memory Databases (IMDB) and cache optimization. Skills used: C++, Python, KeyDB, JSON, GoLang, Python, Agentic AI using workflow design and Agentic system design.

I also worked as Software Programmer for AGV application development . Primary skills used are C++, GoLang, Python, Tibco Activespace as DB , RapidJson and Python Scripting for test data generation using glob module.

My previous work experiences are as below:

Worked on Digital TV Application development. Also Worked in Automotive domain in both Application and middleware stack development. I was involved in HMI development for car multimedia in smart phone integration module like Mirrolink , Miracast and Carplay.

Worked on Miracast stack/middleware development.

During my tenure with L&T Technology Services worked on IoT application development using legato framework .

Primary Skills and tools : C++ , Python , Golang, Core java ,Git ,Jira , UML diagrams

GitHub:<https://github.com/AnkitaSuman07>

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## Experience

Huawei Technologies Canada Co., Ltd.  
Software Engineer  
September 2022 - Present (3 years 3 months)  
Ontario, Canada

I am a versatile and results-driven professional specializing in the design, development, and optimization of cutting-edge storage solutions. With a strong focus on performance across operations, transactions, and cloud infrastructures, I spearhead proof of concepts (POCs), innovative feature development, and optimization initiatives. My expertise spans a variety of storage mediums, including flash, SSD, and distributed storage.

Leveraging both open-source software and in-house solutions, I lead feasibility studies, design optimized systems, and drive efficiency improvements. I am highly proficient in C++, GoLang, and utilize Python and GTest for unit testing.

Currently, I am exploring the intersection of AI and storage systems by orchestrating workflows with large language models (LLMs) within Agentic AI systems. This work aims to enhance the performance and efficiency of internal platform tools. My recent POCs have focused on improving capacity and leveraging AI models such as GPT-4.1-mini, Ollama - Deepseek R1, and Llama 3.2 to drive performance enhancements.

SPM Automation (Canada) Inc.  
Application Developer  
March 2022 - August 2022 (6 months)  
Windsor, Ontario, Canada

Working on Application development for Flir thermal camera using Spinnaker Sdk and C# as primary skills. The UI shows the captured image and retrieved the temperature information at specific section.

PSA Corporation Limited  
Software Programmer  
April 2019 - December 2021 (2 years 9 months)  
Singapore

Application development for Automated Guided Vehicle movement. Designing and implementing application core logic for AGV movement and database wrapper for applications. Designing, Code implementation, bug fixing, unit testing and module testing. Preparing the design document, user specification and test cases and test scripts. Events driven module design and request

handling was done using Json parsing. Integrated RESTFUL API to develop testing framework for Grant Management Module.

#### HARMAN International

##### Senior Software Engineer

October 2017 - January 2019 (1 year 4 months)

Bengaluru, Karnataka, India

Working as Senior Developer for car infotainment projection technology.

Key responsibilities involve design and development of Miracast feature(RTSP Protocol).

Leading a team of developers for Mirror link Application Development.

#### L&T Technology Services Limited

##### Senior Engineer

October 2016 - October 2017 (1 year 1 month)

Bengaluru Area, India

Worked as Senior Software Developer in Application development

( Embedded) . Worked on IoT application development using Legato Application Framework

#### Bosch Engineering and Business Solutions

##### Senior Software Engineer

August 2014 - September 2016 (2 years 2 months)

Bangalore

HMI Developer. Experienced in UI development for car infotainment system using EB guide tool / Qt framework with C++ as programming language .Worked in view development for MVC architectural project

#### HCL Technologies

##### Software Engineer

July 2012 - August 2014 (2 years 2 months)

Bangalore

Responsible for Application Development of DTV. Application and view development using client framework ,xml and c++ for dtv media / recording features.

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## Education

#### University of Windsor

Master's degree, Electrical and Computer Engineering · (August 2022)

Amity University

Bachelor of Technology (BTech), Electrical, Electronics and Communications  
Engineering · (2008 - 2012)

Delhi Public School - India

HSC, Science · (2006 - 2008)

Dhanbad Public School

Senior Secondary School, CBSE · (2005 - 2006)