

CHINMAYA S C

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EXPERIENCE

IBM India **Associate System Engineer** **Oct 2025 - Present**
▪ Trained in Java and Web Technologies.

EDUCATION

Dayananda Sagar Academy of Technology and Management 2021 - 2025 ▪ CGPA - 8.78

- B.E. in Artificial Intelligence and Machine Learning - **AIML**
- Relevant Coursework : Data Structures, Design and analysis of Algorithms, Operating Systems, OOPs, ML, Data-Science

BASE PU College 2019 - 2021 ▪ Percentage - 92 %

- Pre University Course - PCMCs
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SKILLS

Programming languages : Python, C, C++, JAVA, HTML, R, Lua, MySQL, Bash.

Tech : DSA, OS, Data Science, Machine Learning, CI/CD, BDD(Cucumber), Containers, Cloud, AWS .

Dev Tools : Linux, Neovim, Git, Github, Docker, Kubernetes, Jenkins, Ansible.

PROJECTS

Retinal Disease Detection using CNN

PYTHON, CNN, IMAGE PROCESSING

- Developed a deep learning model using Convolutional Neural Networks (CNNs) to accurately detect and classify retinal diseases from medical images.
- Preprocessed large datasets and optimized model training, resulting in high accuracy for disease classification tasks.

QueryMesh – Intelligent Document Query System

PYTHON, NVIDIA API, LLMs, RAG.

- Implemented NVIDIA embeddings (nvidia/embed-qa-4) and Mixtral-8x7B for context-rich answer generation.
- Used FAISS for high-speed vector similarity search and Streamlit for an interactive UI.
- Supported multi-file PDF/TXT uploads, chunking, and contextual retrieval for precise responses.

RAG on Contract Documents

github.com/Chinmaya003/RAG_on_contracts

PYTHON, NLP, AI, RAG.

- Implemented a Retrieval-Augmented Generation (RAG) pipeline using DistilBERT to extract contextual information from contracts and proposals with high accuracy.
- Automated the generation of JSON summaries for multiple bids, providing detailed insights into key fields such as bid numbers, specifications, and delivery schedules.
- Working on integrating LLMs for better contextualization and query based retrieval.

Food Relocation Application

PYTHON, SQL

- A Team effort in a 24 Hr hackathon.
 - Developed a Python GUI application using Tkinter library and SQL Database.
 - Could be used to relocate excess food to orphanages and homeless shelters nearby.
 - Applicable in directing NGOs and volunteers to food relocation routes.
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LEARNINGS & CERTIFICATIONS

- AWS Certified Cloud Practitioner (CLF-C02) - [Credly](https://www.credly.com/credentials/certification/amazon-aws/certified-cloud-practitioner)
 - Supervised Machine Learning by ANDREW NG (DeepLearning.ai)
 - Python Foundation (AI video proctored) – InfosysSpringBoard
 - Object Oriented Programming in C++ – InfosysSpringBoard
 - Java programming fundamentals – InfosysSpringBoard
 - Google Cybersecurity Professional course.
 - Web Security academy - Portswigger(Burpsuite).
 - Techademy Devops and Cloud training as a part of IBM Prejoining training.
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ACTIVITIES

- Conducted a 24 hour state level hackathon.
- Actively participated in a 24 Hr Hackathon and proposed an innovative food relocation application.
- Attended Global Hackathons through MLH - Major League Hacking.
- Participated in coding contests.
- State Level Table Tennis player.