AYUSH KUMAR SINGH

📞 +91-9142481075 ✉ connectayush111@gmail.com 💼 **Portfolio**

📍 **Bengaluru, Karnataka** in **LinkedIn - ayushkumarsingh11** ⊙ **GitHub**

SUMMARY

Final-year B.Tech Computer Science student with practical expertise in full stack development, web technologies, and software engineering. Proficient in Python and web development technologies. Developed and deployed real-world projects, including a hybrid FMCG recommendation system and a file-sharing platform. Completed internships focused on responsive web design and machine learning. Recognized for innovation and research excellence; passionate about building scalable, user-centric software solutions.

PROJECTS

FMCG Recommendation System

📅 08/2024 - 01/2025

Technologies Used: Python, Flask, HTML, CSS, JavaScript, SQLite

• Developed a personalized FMCG Recommendation system for middlemen to improve their portfolio of products they can deal in using python at backend and building a web framework using Flask.

• Implemented a weighted combination of content-based filtering and average ratings resulting in better recommendations based on the user's current dealing and highly rated products.

File Sharing System

📅 02/2024 - 04/2024

Technologies Used: MERN Stack

• Coded a simple file sharing system for sharing files, documents, images, etcetera via links using MERN Stack with a minimalistic frontend design.

EXPERIENCE

Frontend Development Intern

IBM SkillsBuild

📅 02/2023 - 02/2023

Internship focusing on Front End Development

•Completed an internship with IBM SkillsBuild, where I built responsive web applications using HTML, CSS, and JavaScript through mentor-led sessions and self-paced learning modules.

Machine Learning Intern

Suven Consultants & Technology Pvt Ltd

📅 01/2023 - 02/2023

Internship focusing on Machine Learning

• Built and optimized ML models with hands-on experience in data preprocessing, training, and evaluation.

PUBLICATION

A Hybrid Recommendation System for FMCG Middlemen: Integrating Content-Based and Collaborative Filtering

IJRASET

📅 03/2025

Built a hybrid recommendation system using content-based and collaborative filtering (TF-IDF, cosine similarity, user ratings) to deliver personalized FMCG product suggestions and address the cold-start problem.

EDUCATION

Bachelors of Technology in Computer Science and Engineering

CMR University | CGPA - 7.46

📅 12/2021 - 06/2025 📍 Bengaluru, Karnataka

Intermediate(CBSE)

JVM Shyamali | Percentage - 71.33%

📅 04/2019 - 04/2021 📍 Ranchi, Jharkhand

TECHNICAL SKILLS

Python	Data Structures and Algorithms

HTML	CSS	JavaScript	Node.js

Express.js	React	Web Development

SQL	PostgreSQL	Git	Design Thinking

KEY ACHIEVEMENTS

Exceptional Research Award

Recognized with Exceptional Research Award for research activities conducted on the topic of landfills (SDG-12)

Spirit of Innovation Award

Awarded with Spirit of Innovation Award for displaying innovative project showcased on Design Thinking Day 'CAUSE 2023'

Leadership in the VUCA world

Gained insights into navigating challenges and leading effectively in volatile, uncertain, complex, and ambiguous environments

TRAINING / COURSES

• **The Complete Web Development Bootcamp - Udemy**

• **Python Data Structures and Algorithms - Udemy**

• **TCS iON Career Edge - Young Professional**

• **Self-directed Emotional learning for Empathy and Kindness(SEEK) - UNESCO MGIEP**

TEST SCORES

eLitmus pH Test : 79.42 percentile