

Dewansh Srivastava

6393709334 | dewansh2910@gmail.com | [Linkedin](#) | [github](#)

TECHNICAL SKILLS

Languages: C++, Python, HTML, CSS, SQL, Linux

Software QA Automation Testbed creation, Functional Testing, Test Execution, Postman, Selenium, Git

Networking Tools: TCP/IP, OSPF, Multicast, VLAN, DNS, Virtualization (ESXi/Hyper-V), Packet Tracer

Frameworks Databases: Flask, Django, FastAPI, MongoDB Compass, Kafka

PROJECTS

Govt Health Policy Q and A ChatBot | *Python, Streamlit, flan-t5-base, LangChain* **Github**

- Developed an AI-powered Govt Health Policy Q&A Bot that answers user queries by extracting relevant information from a policy document PDF.
- Utilized **LangChain's Retrieval-Augmented Generation (RAG) framework**, combining document retrieval with response generation.
- Powered by **flan-t5-base**, an open-source LLM from HuggingFace, enabling natural language answers without relying on paid APIs.

CommentSentimentInsight | *Python, Machine learning, flask* **Github**

- Developed a YouTube comment analyzer that allows users to input a YouTube video URL for sentiment analysis.
- Implemented sentiment analysis to categorize comments as positive, negative, or neutral using natural language processing (NLP) techniques.
- Extracted the top 100 comments from the specified YouTube video using the YouTube Data API

CERTIFICATE/TRAINING

Cisco Certified Network Associate

Automation testing

Python using Data structure

EXPERIENCE

Amity software systems limited

Sept 2024 - June 2025

Python Backend Developer

Noida

- Developed and maintained the NGRP (Next Generation Recruitment Portal) using Python, **FastAPI**, **kafka**, and **MongoDB**. Designed and integrated high-performance scalable RESTful APIs to ensure seamless platform functionality, efficient request handling, and robust database interactions.

Cisco Systems (India) Private Limited

Nov 2022 - Nov 2023

Software Development Engineer in Test (Data center Division)

Bengaluru, Karnataka

- Professional in **network infrastructure testing** designed and implemented a **Data Center (ACI)** testbed from the ground up using a Clos-based 3-stage **leaf-spine architecture**. This involved configuring **Nexus 9000 series** switches, deploying **Application Policy Infrastructure Controllers (APICs)**, and establishing a **spine-leaf network topology** to ensure optimal performance and scalability.
- Implemented and maintained **network infrastructure**, ensuring **high availability** and **performance**. Detected and tracked **critical SSH** and **functionality bugs**, enhancing **system reliability**.
- Conducted **regression testing** for key features including **VMM**, **AAA**, and **access policies**, using both **CLI** and **GUI interfaces** to verify **policy deployment** and **endpoint tracking**.
- Authored and maintained internal tools in **Python** to automate **ACI fabric state validation**, **health score checks**, and **REST API testing**, improving **test efficiency** and **consistency**.

DeviceDetect (Data Center (ACI Tool)) | *Python, Django, SQL, Postman, Cisco(Switch)* **Paramiko**

- Developed custom Cisco ACI Toolkit using Django and REST API, streamlining network management tasks.
- Participated in the design and implementation of toolkit solutions for the ACI fabric, ensuring high availability and reducing manual work time for higher authorities by 30% .
- Developed custom automation scripts for analyzing packet flows, security logs, and intrusion detection alerts.

EDUCATION

Dr.A.P.J Abdul kalam Technical University

B.Tech in Computer Science

Lucknow, U.P

Aug 2018 – July 2022