



Aryashrestha Sagar

Aryashrestha Sagar is a versatile professional with expertise in data analysis, AI, software development, and cybersecurity. With strong leadership and problem-solving abilities, he consistently drives innovation and empowers teams to achieve impactful results.

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EXPERIENCE

BHARTI AIRTEL LTD | CYBER SECURITY INTERN

June 2024 – July 2024 | Gurgaon, Haryana, India

- Interned at Airtel Cyber Security SOC team, utilizing Seceon SIEM and EDR to monitor, detect, and investigate security incidents, enhancing threat intelligence and risk mitigation strategies.
- Gained hands-on experience in cybersecurity operations, incident response, and vulnerability assessment, strengthening skills in network security and real-time threat analysis.

BADMINTON BMU | VICE CAPTAIN, CONTENT TEAM LEAD

August 2023 – March 2024 | BML Munjal University

- Led team strategy, coordination, and performance analysis, fostering teamwork and competitive excellence.

PROJECTS

3D FLOORPLAN GENERATION USING DEEP LEARNING | AI | PYTHON | BABYLON.JS

2024

- Designed CNNs and GATs for room centroid prediction and size optimization using residual connections.
- Developed a graph-based floor plan representation with spatial relationships, integrating Babylon.js for real-time 2D-to-3D conversion and visualization.

MULTISCRAPER AI | GEN AI | MULTIMODEL NLP | STREAMLIT | GEMINI | LLAMA

2025

- Built a multimodal content parser for web, PDFs, and YouTube using Selenium, APIs, and scraping; leveraged Bright Data proxies to bypass CAPTCHA, IP blocks.
- Integrated advanced LLMs (Gemini 1.5 Pro, LLaMA 3) into a scalable Streamlit UI to enable real-time content summarization and natural language Q/A.

ALZHEIMER'S DISEASE DETECTION | DIP | TRANSFER LEARNING | PYTHON

2024

- Implemented VGG16 and custom CNNs for multiclass Alzheimer's classification using transfer learning.
- Preprocessed MRI scans with skull stripping, normalization, and rescaling for improved accuracy and dataset comparison.

LOK SABHA DEBATE DECODER | AI | NLP | LANGCHAIN | GEMINI | FAISS | STREAMLIT

2024

- Built an LLM-powered QA system for Lok Sabha debates using LangChain, FAISS, Google embeddings, Gemini, and Streamlit UI for real-time interaction.
- Enabled debate summarization via ML-based PDF parsing and sentiment analysis.

IOT SUPPLY CHAIN MONITORING SYSTEM | ESP32 | GYROSCOPE | DHT | C/C++ | WOKWI

2024

- Simulated cargo tracking using gyroscope for crash and tilt detection and DHT sensors for temperature/humidity monitoring.
- Enabled real-time monitoring for supply chain safety and condition alerts.

SKILLS

PROGRAMMING

Proficient:

C/C++ • Java • Python
SQL • CSS • HTML • R •
JavaScript • Shell • Assembly

LIBRARIES/Frameworks

Selenium • Node.js • Pandas •
PyTorch • NumPy • Scikit-Learn •
Matplotlib

PRODUCT SKILLS

Documentation • Workflow
Diagram • Functional Testing

TOOLS/PLATFORMS

Github • PowerBI • Wordpress

EDUCATION

BML MUNJAL UNIVERSITY

BACHELOR'S IN COMPUTER SCIENCE
AND ENGINEERING

September 2022 - Present | Gurgaon

Cum. CGPA: 8.2 / 10.0

DELHI PUBLIC SCHOOL

12TH

March 2021 - February 2022 | Sirsa

Percentage: 83

ACHIEVEMENTS

- Vice Captain, Badminton BMU
- Participated in SIH 2024

INTEREST/HOBBIES

- Collaborating on Professors' Projects
- Hackathons, AI Research

CERTIFICATIONS

- Google Data Analytics Cert.
- Python Springboard Cert.