

AYUSH JAIPURIYAR

+91 9968302859 | ayushjaipuriyar21@gmail.com | [Linkedin](#) | [Github](#) | [Portfolio](#)

EXPERIENCE

Software Developer Engineer Intern

January 2024 – August 2024

Healthtrip | NestJS, Elasticsearch, Redis, Cloudflare, AWS, NextJS, Github Actions

Noida

- Successfully migrated **50%** of the project from PHP to NestJS, achieving a **75% boost in application scalability and performance**.
- Implemented Redis caching and integrated Elasticsearch, achieving a **90% reduction in data retrieval times** and a **60% increase in search performance**.
- Designed a custom multilingual solution using database-driven content, supporting 9 languages and achieving a **75% increase in user engagement**.
- Implemented role-based authentication in CRM, enhancing security and ensuring proper access control.
- Optimized caching, security, and load times by managing Cloudflare, EC2, CloudFront, and S3, resulting in a **50% reduction in page load times** and a **30% improvement in overall performance**.

Software Developer Engineer

June 2023 – August 2023

AST Consulting | NestJS, AWS, ReactJS, Github Actions

Noida/Remote

- Led the development of a scalable backend.
- Integrated AWS services, **reducing image loading time by 50%** and **data transfer latency by 40%**.
- Developed precision-based schedulers and a Telegram bot, **user retention 30% increased and user adoption by 25% increased**.
- Introduced a comprehensive code review process on GitHub, resulting in a **30% decrease in post-release defects** and **20% faster feature delivery**.
- Set up CI/CD pipelines on AWS, **reducing deployment time by 40%** and achieving **95%+ uptime**.

Mentee

May 2022 – July 2022

Microsoft Engage 2022 | Python, Django, ReactJS

Remote

- Explored recommendation algorithms, implementing techniques such as K-means clustering and collaborative filtering to enhance user-specific movie suggestions.
- Designed and implement the backend using Flask in Python, creating APIs for receiving user ratings and delivering personalized movie recommendations.

EDUCATION

Manipal University Jaipur

CGPA 8.8

B.Tech, Information Technology

Oct. 2020 – June 2024

PROJECTS

Movie Recommendation System | Python, Flask, React, Machine Learning

[Github](#)

- A Movie Recommendation System, utilizing K-means clustering and collaborative filtering algorithms.
- Implemented a simple yet effective user interface using ReactJS
- Designed and implemented the backend using Flask in Python, handling the recommendation algorithm and creating APIs for user interactions.

Vantage-14are05 | Bash

[Github](#), [AUR](#)

- Created a Bash script utilizing `acpi_calls` to modify performance modes and battery charging options on the Lenovo Ideapad Slim 5 AMD laptop, and published it to the Arch User Repository.

CERTIFICATIONS

Node.js, Express, MongoDB & More: The Complete Bootcamp 2022 - Udemy

DFo Database Foundations Learner - Oracle

Red Hat System Administration I (RH124) / II (RH134) - RedHat

C and C++ Specialization - Coursera

TECHNICAL SKILLS

Languages: C/C++, Typescript, JavaScript, Python, Java, HTML, CSS, SQL

Frameworks and Libraries: React, Vite, Node.js, NestJS, Express.js, Flask, AWS, Material-UI, Elasticsearch, pandas, NumPy, Matplotlib, Scikit-learn

Databases: MongoDB, PostgreSQL

Tools: Git, Docker, AWS, Google Cloud Platform, GitHub Actions, Jenkins, Postman, Redis, Elasticsearch, Cloudflare, CloudFront, EC2, S3, CloudFront, Chargebee, Stripe, Google Analytics, Microsoft Clarity

PUBLICATIONS

A Lossless Image Encryption Technique using Chaotic Map and DNA Encoding - Under Review