

# Hanan Marghoob

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## CLOUD ENGINEER | FULL STACK WEB DEVELOPER | DEVOPS ENGINEER

A passionate cloud engineer with a strong foundation in web development, programming & IT administration. Eager to apply my technical skills and passion for innovation in an internship, where I aim to expand my expertise in cloud infrastructure, DevOps, and cloud security. Dedicated to contributing in a dynamic and collaborative environment.

## SKILLS

### Technical skills

Linux & System Administration  
Computer Networking  
AWS Cloud Services  
Git & Github  
Docker & Containerization

### Languages

Python  
Bash  
C & C++  
JavaScript  
PHP

### Databases

MySQL  
DynamoDB  
MongoDB

### Frameworks

Node js  
Express js  
React js  
Bootstrap

## PROFESSIONAL EXPERIENCE

### Cloud Computing Intern NIT Srinagar

Oct 2024 - Nov 2024

Gained hands-on experience in cloud computing, including AWS services, cloud infrastructure management, and deploying scalable applications. Acquired insights into cloud security measures and automation processes, strengthening my foundation for future cloud and DevOps roles.

### Website for a Travel Agency heavenleisure.com

July 2024

Developed a website for a travel agency situated in J&K, handling most of the back-end and the creation of booking management system.  
The front-end was developed using Vanilla JavaScript, and the back-end was built with PHP and MySQL.

Review ★★★★★

"I had the pleasure of working with Hanan to build our travel agency website, Heaven Leisure, and I'm really glad I did. **From the start, Hanan was professional, creative, and really took the time to understand what we wanted.** He didn't just build a website—he brought our vision to life, making it both visually appealing and incredibly easy to navigate. Hanan made sure every aspect of the site reflected our business. He was always available, patient with our feedback, and worked tirelessly to ensure everything was perfect. **If you're looking for someone who's not only skilled but genuinely cares about the service offered, I can't recommend Hanan enough.**" - Murtaza Javaid

### Website for a Big Data Company analytixapex.com

May 2024

Developed a website for a company, handling both the front-end and back-end of the project.  
The front-end was built using Vanilla JavaScript, while the back-end was developed with PHP.

Review ★★★★★

"It was a great experience working with Hanan, who developed an exceptional website, Analytix Apex, for our business. **From start to finish, Hanan demonstrated exceptional professionalism, creativity, and technical expertise.** The website design is not only beautiful but also highly functional, reflecting our brand's vision perfectly. Hanan paid great attention to detail, ensuring a seamless user experience and an intuitive layout. His ability to understand our requirements and translate them into a visually appealing and professional website was truly impressive. **Hanan was responsive, easy to communicate with, and always willing to go the extra mile to ensure we were satisfied with the final product.** His dedication to delivering high-quality work on time and within budget was commendable. **We highly recommend Hanan for anyone looking to develop a professional and aesthetically pleasing website. His skills and dedication have greatly enhanced our online presence, and we couldn't be happier with the result.**" - Mursaleen

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## PROJECTS

### The Cloud Resume Challenge

- Created a resume website as part of the Cloud Resume Challenge.
- Developed and hosted the resume website on an AWS S3 bucket, securing it with AWS CloudFront for HTTPS access.
- Used AWS DynamoDB to create a views counter database, AWS Lambda as an API, Python to run the counter, and JavaScript to display the count on the website.
- The challenge provided valuable hands-on experience with AWS cloud technologies.

### Linux Based Lan Data Server

- Created a secure Samba LAN data server for my college, running on a Linux server.
- The server connects all computers in the college labs and provides a cloud-like data storage platform for each node on the network.
- This server is currently being used across the college.

### Hetrix on AWS

- Successfully deployed a web-based game container to the cloud using Docker for containerization.
- Leveraged AWS ECR for image hosting and AWS ECS for scalable orchestration.

### Jhelum AI

`jhelumai.netlify.app`

- A MERN Based AI Voice Assistant.
- Optimized to understand voice data and generate a voice output seamlessly.
- The input is passed to my backend API and processed through an LLM model for more informed and well-constructed responses.
- The front-end is hosted on Netlify, while the back-end API is hosted on Render.

### Homelab

- Created a Homelab server running on a local Ubuntu server.
- Created a NAS Server that handles data storage and file sharing.
- Used OpenSSH for secure server login and configuration.
- Configured Docker Engine on the Homelab to host containers.
- Installed and configured Nginx to host local web apps on the server.
- Set up CasaOS on the server to provide a GUI-based dashboard, accessible via a web browser on any device within the private network.

### DeepWeb Hosting

- Hosted a website and a chat application on the Deep Web, utilizing asymmetric encryption with public and private keys.
  - I did this using the Tor network, Python, and Onionshare on my Homelab Ubuntu server, demonstrating proficiency in server administration, network security, and web development.
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## EDUCATION & CERTIFICATION

### Bachelor of Computer Applications (BCA)

Aug 2022 - Present

CASET College Of Computer Science

Current SGPA: 9.0

### Certificate of Appreciation From CASET College

Sep 2023

#### Server Deployment

- Created a Linux-based Samba server for the college, which is still actively in use.
- Upgraded all college systems from proprietary operating systems and software to open-source alternatives, saving costs on licenses, improving workflow efficiency, and helping students become more versatile in their skill sets.

### Certificate of Appreciation From CASET College

July 2024

#### Library Automation

- Developed an innovative LMS System for the automation of our college library and is still actively in use by the college staff.

*"We want to take a moment to express our sincere appreciation to Hanan Marghoob, student of batch 2022, for his outstanding work in developing a software for the automation of library of our college. His dedication, creativity, and technical expertise have truly made a significant impact on our institution. The Software is not just a tool but a testament to his hard work and commitment to enhancing our academic environment. It is through the efforts of students like him that our college continues to thrive and innovate."*

Regards  
Vinod Vishen  
Principal

### Python - Data Structures

University of Michigan (USA) - Coursera

Verify : [bit.ly/3X6VH8y](https://bit.ly/3X6VH8y)

### Linux LFS101 - System Administration

The Linux Foundation

Verify : [bit.ly/40BGMH6](https://bit.ly/40BGMH6)

### Cloud Computing - Badge

AWS Educate

Verify : [bit.ly/4hxE6QH](https://bit.ly/4hxE6QH)

### React JS - Hand on From Beginner to Expert

Udemy

Verify : [bit.ly/3NYVH6B](https://bit.ly/3NYVH6B)

### JavaScript

University of California (Davis) - Coursera

Verify : [bit.ly/3AL7WjW](https://bit.ly/3AL7WjW)

### Certificate of Merit

The University of Kashmir & IIPA (Indian Institute of Public Administration)

- Won the event on "Artificial Intelligence is reshaping the world for the benefit of mankind," organized by the Indian Institute of Public Administration and the University of Kashmir, by speaking against the motion and showcasing my communication, analytical, and creative skills.

## INTRESTS

Psychology

Trekking

Self-Improvement

Reading

Philosophy

Biohacking

Chess

Neuroscience

Pattern Recognition

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