

# Shikhar Bhargava

+91 8630090958 | [justshikharbhargava@gmail.com](mailto:justshikharbhargava@gmail.com) | [LinkedIn](#) | [GitHub](#) |

## EDUCATION

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Indian Institute of Information Technology, Bhopal

September 2023- June 2027

Bachelors of Technology – Information Technology(IT)

CGPA 8.60

Relevant Coursework: **Cloud Architecture, Artificial Intelligence , Networking and Machine Learning.**

## ADDITIONAL INFORMATION

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- **Languages:** Go, C++, Python, Javascript .
- **Technologies:** Node JS, Express JS, MongoDB, Google Colab, VSCode.
- **DevOps Tools:** Docker, Kubernetes, Terraform , Grafana, Prometheus, Jenkins, CI/CD.
- **AI/ML Frameworks:** LLaIndex, Langchain, RAG, NLP, Hugging Face.
- **Soft Skills:** Leadership, Team Management, Creativity, Emotional Intelligence

## EXPERIENCES AND RESPONSIBILITIES

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Gurugram Cyber Cell Police, Gurugram | GPCSSI Intern

Gurugram, Haryana (May 2024- July 2024)

- **Led a cross-functional team** in developing an **OSINT-based investigative framework** to analyze and troubleshoot enterprise email server vulnerabilities, leveraging advanced threat intelligence methodologies.
- **Designed and executed** a proof-of-concept on **Cyber Threats in Aviation**, focusing on PNR (Passenger Name Record) exploitation and its implications for aviation cybersecurity.
- **Presented and demonstrated** cybersecurity solutions at **CID and I4C headquarters**, showcasing technical capabilities to senior officials and domain experts..

Prodigy Infotech | DevOps Intern

REMOTE(Sept 2024 – Dec 2024)

- Made 4 virtual machines (2 windows and 2 Ubuntu) using the Amazon Web Service Elastic Console service.
- Additionally a small project to setup a small webserver and database in Docker Compose .

AWS User Group, Mumbai | Team Member

January 2025–Present

- **Provided technical assistance** to participants during **AWS workshops and hands-on labs**, resolving queries on cloud infrastructure, services, and deployment best practices.
- **Coordinated and managed** end-to-end **venue setup and logistical arrangements** for multiple large-scale events, ensuring smooth execution and attendee engagement.

## ACADEMIC PROJECTS

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End to End ML Pipeline(Tourist Spending) | Mlflow, DVC, Docker (**MLOPS**)

[GITHUB](#)

- Used MLflow to track experiments, register models, and manage model lifecycle, ensuring reproducibility, transparency, and ease of comparison across different training runs and hyperparameters.
- Containerized the model serving pipeline using Docker and deployed it via FastAPI, enabling platform-independent, scalable, and low-latency REST API inference for production use.
- Set up CI/CD pipelines with GitHub Actions to automate testing, model retraining, and deployment workflows triggered by code or data changes, adhering to modern DevOps and GitOps practices.

Terraform Spotify Playlist| Terraform, Spotify Developer, Docker, VSCode (**DEVOPS**)

[GITHUB](#)

- Developed a spotify playlist of your choice using Terraform – a powerful IAAAT
- Spotify Developer Account helps to generate the API-key which connects the credentials given to the Terraform CLI.

## ACHIEVEMENTS & CERTIFICATES

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**AWS CERTIFIED SOLUTION ARCHITECT** by Udemy([Link](#))

- Amazon Web Services, Elastic Console,S3 , AWS Lambda
- Identity and Access Management, Relational Databases

**AWS CERTIFIED MACHINE LEARNING ASSOCIATE** by Udemy([Link](#))

- Machine Learning, Statistics and Deep Learning