

# AKASH KUMAR GUPTA

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## EDUCATION

### B.Tech in Computer Science and Engineering

Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha

Sep 2020 - Sep 2024

CGPA : 8.14 / 10

### Class XII (CBSE)

Mar 2020

Chauhan Public School, Bhagalpur, Bihar

Percentage : 79%

### Class X (ICSE)

Mar 2018

Mount Assisi School, Bhagalpur, Bihar

Percentage : 83%

## EXPERIENCE

### Participant Oracle Cloud Infrastructure (OCI) 2025

Jul 2025 - Oct 2025

ORACLE

Remote

Completed Oracle's full certification track:

- **OCI AI Foundations Associate**
- **OCI Data Science Professional**
- Gained hands-on exposure to cloud-based **AI/ML deployment, data pipelines, and vector database** search using **Oracle Cloud Infrastructure**.
- Built and optimized ML workflows using **Python, OCI Data Science, and Generative AI APIs**, improving efficiency in **AI-driven automation**.

### Trainee Decision Scientist

Oct 2024 - Feb 2025

MU-SIGMA Business Solutions Pvt Ltd.

Bangalore, In

- **Conducted comprehensive exploratory data analysis (EDA)** on large datasets to uncover trends, outliers, and business-critical insights, directly supporting data-driven decision-making.
- **Cleaned, transformed, and modeled data** using **Python, SQL, and machine learning techniques** (e.g., regression, classification) to deliver predictive solutions that enhanced client operations and reduced errors.
- **Designed and presented dynamic dashboards and visualizations** using **Tableau, Matplotlib, and Seaborn**, effectively translating complex analytical findings into clear, actionable insights for non-technical stakeholders.

### Cybersecurity Summer Intern

May 2023 - July 2023

Palo-Alto Networks supported by AICTE NEAT

Remote

- **Developed practical expertise in cybersecurity by working with real-world tools and simulations**, focusing on network security, threat detection, and mitigation of attacks like DDoS, phishing, and malware.
- **Proficient in using SIEM tools to monitor, analyze, and respond to security incidents**, including log analysis and alert management to proactively identify and prevent potential threats.

## PROJECTS

### Predictive Price Modeling

Oct 2024 - Feb 2025

- **Performed EDA using Python (Pandas, Seaborn, Matplotlib)** to identify influential features and provide data-driven insights into price drivers such as brand, year, fuel type, transmission, and mileage.
- **Trained and optimized regression models** (e.g., Linear Regression, Random Forest) to predict car prices, significantly improving the accuracy and consistency of valuations over the client's manual process.
- **Developed a responsive web application** using **HTML, CSS, and JavaScript** to display dataset insights and enable users to input car details and receive real-time price predictions from the ML model.

## CERTIFICATES / ACHIEVEMENTS

- **Oracle Cloud Infrastructure 2025 Certified:**
  - OCI AI Foundations Associate
  - OCI Data Science Professional
- Completed **Cyber Simulation Training - DELOITTE** Australia
- **J.P MORGAN CHASE & CO.** Software Engineering job simulation - **Forage**
- **GOLDMAN SACHS** Software Engineering Experience - **Forage**
- **Hacktoberfest 2022/2023 Contribution:** Contributed to open source by submitting **8+ pull requests** accepted on GitHub

## SKILLS

- **Programming Languages:** C, C++, Java, Python, SQL
- **Tools:** Oracle, AWS, Tableau, Power BI, PyTorch, Scikit Learn
- **Technical Expertise:** Data Science, Machine Learning, Deep Learning, Cybersecurity, Cloud, Generative AI.