# ADITYA SHAH

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## *SUMMARY*

Aspiring Data Analyst and Computer Science Engineering student with hands-on experience in Python, Machine Learning, and Front-End Development. Skilled in extracting insights from data, building ML models, and creating intuitive user interfaces. Passionate about AI, analytics, automation, and modern front-end technologies, with practical exposure through academic projects. Strong ability to learn quickly, solve problems, and contribute effectively to technical teams.

## *TECHNICAL SKILLS*

Languages: Python, Java, JavaScript, C , Python.
Web Technologies: HTML, CSS, React.js, js.
Frameworks: Spring Boot

Databases: MySQL, PostgreSQL
Tools: IntelliJ IDEA, Postman, Microsoft Copilot, PgAdmin4, Git, Tableau
Data Analysis: PySpark, Scikit-learn....

## *EXPERIENCE/CERTIFICATIONS*

**Web Development Intern** **(June 2024 - July 2024)**

**InternPE (Jaipur Rajasthan)**

- Developed responsive and user-friendly front-end components for websites.
- Created interactive games using HTML, CSS, and JavaScript, focusing on functionality and user experience.

**Data Analytics Intern** **(September 15th, 2025 - October 15th, 2025)**

**CODTECH IT SOLUTIONS PVT.LTD (Hyderabad Telangana)**

- Completed a Data Analyst internship focused on data cleaning, exploratory analysis, visualization, and building end-to-end analytics pipelines.
- Worked with Python, PySpark, SQL, Tableau, and Scikit-learn to analyze datasets, create dashboards, and develop predictive ML models.
- Performed NLP tasks, feature engineering, and model evaluation to generate actionable insights for real-world data problems.

**Testing Automation Workshop: Attended at ITM University** **(June 2024 - July 2024)**

**Smart India Hackathon (SIH)** **`(14 September 2024)**

## *EDUCATION*

**B.Tech – (CSO), ITM University, Gwalior** **(Aug 2023 – June 2027)**

**XII – CBSE, Kendriya Vidyalaya AFS Bagdogra** **(2020 – 2023)**

**X – CBSE, Kendriya Vidyalaya AFS Bagdogra** **(2019 – 2020)**

## TECHNICAL PROJECTS

**Datasets of movie | EDTA, NLP and ML**

- Performed data cleaning, preprocessing, and exploratory analysis on the **Netflix movie** dataset to identify trends in genres, release years, popularity, and content distribution.
- Built interactive Tableau dashboards to visualize patterns such as genre growth, movie durations, and content trends across countries and years.
- Applied NLP techniques and machine learning models to analyze movie descriptions, extract insights, and support predictive tasks such as sentiment evaluation and outcome classification.
- Outcome: Developed a unified analytics solution that demonstrates data processing, predictive modeling, text analytics, and visualization skills — showcasing full-stack data analysis and ML workflow capabilities.

**Desktop Quiz Application | Java**

- An interactive desktop quiz platform built with Java. The application presents users with multiple choice questions, validates answers, tracks scores in real-time, and displays final results upon completion.
- Technologies: Java.

**Spotify Interactive Frontend Clone | HTML, CSS, JavaScript**

- Developed an interactive Spotify-inspired frontend using HTML, CSS, and JavaScript, replicating core UI elements such as playlists, song sections, navigation bars, and responsive layout.
- Implemented dynamic interactions including hover effects, animations, clickable playlists, play/pause UI behavior, and smooth transitions for an engaging user experience.
- Designed a fully responsive interface with modern styling, custom components, and optimized layout to ensure seamless functionality across desktop and mobile screens.

**Mask Detection System | Computer Vision & Deep Learning Project**

- Developed an AI-based face mask detection system using Python, OpenCV, and TensorFlow/Keras to classify whether a person is wearing a mask or not in real time.
- Collected and preprocessed images, applied data augmentation, and built a Convolutional Neural Network (CNN) to achieve high accuracy in mask/no-mask classification.
- Integrated OpenCV for live video detection, enabling real-time bounding boxes, confidence scores, and alert generation for non-compliance.
- Designed the system for practical use in public places such as colleges, offices, and malls, supporting safety monitoring during health-critical situations.
- Technologies Used: Python, OpenCV, TensorFlow/Keras , NumPy, Matplotlib, Scikit-learn

## ADDITIONAL INFORMATION

- No current backlogs
- Current Semester: 5th
- Mode of Learning: Regula
- Open to internships

## HOBBIES & LANGUAGES

- Hobbies : Basketball , Travelling.
- Languages: English , Hindi.