



# CHAITANYA SINHA

INTERN - SOFTWARE ENGINEER

## CONTACT

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- [LinkedIn](#)
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## EDUCATION

- 2019-2021  
SENIOR SECONDARY -  
ST. PAUL'S CONVENT SCHOOL
- 10th - CBSE Board - CGPA 9.4
  - 12th - CBSE Board - CGPA 9.4

- 2021 - 2025  
B.TECH IN COMPUTER SCIENCE
- Vellore Institute Of Technology,  
Bhopal - CGPA: 8.8

## TECHNICAL SKILLS

- Programming Languages:  
Python, SQL
- Frameworks: Flask
- Database: MySQL, PostgreSQL
- Cloud Services: AWS (EC2, S3,  
CloudWatch, RDS, Route 53)
- Tools: Nginx, Unicorn, Docker

## LANGUAGES

- English (Fluent)
- Hindi (Fluent)

## PROFILE

Motivated and skilled Backend Developer with experience in developing robust backend systems and managing AWS services. Seeking a challenging role to leverage my technical skills and contribute to innovative projects.

## PROFESSIONAL EXPERIENCE

### Printonia

2024 MAY - PRESENT

#### Backend Developer

- Developed backend infrastructure from scratch, enhancing website performance and scalability.
- Managed EC2 instances, and deployed Nginx and Gunicorn for web hosting.
- Designed and maintained MySQL databases for efficient data handling.
- Built RESTful APIs using Python and Flask to support various functionalities and troubleshooting.
- Administered AWS services (S3, EC2, CloudWatch, RDS, Route 53), ensuring high availability and optimal performance.

### Bambhari Solutions

2023 July - September 2023

#### Machine Learning Intern

- Developed a Phishing Website Detector with 94% accuracy using Random Forest, trained on a dataset of 1 million URLs.
- Built and deployed the model using Flask and Docker, enabling real-time classification of malicious and legitimate websites.
- Implemented the web application to provide users with an easy-to-use interface for URL classification, enhancing user security and awareness.
- Conducted extensive data preprocessing and feature engineering to improve model performance and reliability.

## CERTIFICATIONS

- AWS Solutions Architect - Associate (01/2024 - 01/2027)
- IBM AI Engineering (09/2022 - 01/2023)
- Machine Learning with Python - IBM (01/2023)
- Building Deep Learning Models with TensorFlow - IBM (12/2022)

## PROJECTS

- Rainfall Estimation and Energy Estimation Model:** Achieved RMSE of 0.005141, MAPE of 0.003414.
- Max Weight Lifting Prediction Model:** Achieved 89% accuracy.
- Solar Energy Model**
- Phishing Website Detector:** Developed with 94% accuracy.
- Sentiment Analysis Model**
- Reverse World Clock**
- AI Image Upscale Model GUI**