

# AASTHA ADHIKARI

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## SUMMARY

Third-year computer science student with a strong interest in coding, machine learning, and cloud computing. Actively participates in hackathons, coding challenges, and tech events to enhance problem-solving skills. Passionate about developing real-world solutions, exploring new technologies, and continuously learning to improve coding efficiency. Excited to work on projects that involve innovation, scalability, and practical applications of technology.

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## PROJECTS

### Library Management System

- Developed a Python-based library management system to handle book records efficiently using CSV files.
- Implemented features like adding, deleting, searching, and updating book details with a simple command-line interface.
- Ensured data persistence by storing and retrieving records from CSV files without requiring a database.
- Technologies: Python, CSV, Pandas (optional for data handling)

### Twitter Sentimental Analysis

- Built a machine learning model to analyze sentiment in tweets (positive, negative, neutral).
- Used NLP techniques like tokenization, stopword removal, and TF-IDF vectorization.
- Trained the model using Logistic Regression / Naive Bayes / LSTM for better accuracy.
- Technologies: Python, NLTK, Scikit-learn, Tweepy, Matplotlib

### WaterMark removal detection

- Built a binary image classifier to detect whether a watermark was removed from a given image
- Used Convolutional Neural Networks (CNNs) with Keras and TensorFlow on image datasets
- Achieved ~92% accuracy on validation set; used OpenCV for preprocessing and augmentation

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## EDUCATION

### B Tech in Computer Science Engineering

Present - July 2023

VIT Bhopal University

- Specialization in Artificial Intelligence and Machine Learning
- CGPA:9.26

### Senior Secondary Education

May 2023

Saint Theresa Sr. Sec. School

- Percentage:93.1

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## EXPERIENCE

- Public Relations Lead, AWS Cloud Club– Managed communications, promotions, and event outreach.
- Public Relations Lead, Bashcraft Club – Led PR strategies, collaborations, and social media engagement.

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## ADDITIONAL INFORMATION

- **Technical Skills:** Python, Machine Learning , Javascript , DSA, Mysql
- **Languages:** English, Hindi