ADITYA SHRIVASTAVA

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Education

Maharaja Surajmal Institute of Technology   2021 − 2025(Expected)
Bachelor of Science in Computer Science   *New Delhi, India*

Experience

ShareChat   June 2024 − Present
Software Engineer Intern   *Bengaluru, Karnataka*
- Converted pre-existing JSON data to Protocol Buffer, including forming contracts, creating a client event router, and establishing a validation table.
- Managed and verified the accuracy of over 200 events post-conversion , reducing data errors by 30%.
- Developed internal dev tools using Spring Boot and React, significantly optimizing time for product analysts.
- Improved operational efficiency and reduced costs by 10% , streamlining internal workflows with custom-built tools.
- **Tech Stack :** Google Cloud Platform , Databricks , React , BigQuery , Java , SpringBoot , Protocol Buffer

Carnegie Mellon University   Sept 2023 − Nov 2023
Research Intern   *Pennsylvania , United States(Remote)*
- Led an independent research project on Free vs. Fixed Text Detection using pretrained transformer models like BERT-uncased, achieving 97% accuracy.
- Focused on developing methods for distinguishing between free and fixed text, leveraging advanced NLP techniques.
- **Tech Stack :** Python , Neural Networks , Deep Learning , Keras , Tensorflow.

MIDAS Labs , IIIT Delhi   Jul 2023 − Nov 2023
Research Intern   *New Delhi , India*
- Conducted research under Professor Rajiv Ratn Shah, focusing on natural language processing and model optimization.
- Fine-tuned a BERT model for detecting copied text, achieving 91% accuracy on the test dataset and 97% accuracy on training and validation datasets.
- **Tech Stack :** Python , Neural Networks , Deep Learning , Keras , Tensorflow.

Projects

thoughtVine | *Express.js, Handlebars, CSS ,MongoDB*   October 2023
- Developed and launched "ThoughtVine," an anonymous confession and discussion website for MSIT students, integrating user feedback features and ensuring secure, anonymous submissions to enhance campus engagement.
- Orchestrated the implementation of a robust user authentication system for ThoughtVine, leveraging Express middleware and MongoDB for secure user access and data privacy.
- **Project Link**

StockSage | *Facebook Prophet , Python , Streamlit*   January 2024
- A Stock Prediction App built with Python .The app utilizes historical stock data and applies the Facebook Prophet library to forecast future stock prices.
- This project was inspired by the need for accessible stock prediction tools and is made possible by the contributions of the open-source community.
- **Project Link**

Technical Skills

Languages: Python, C++ , HTML/CSS, JavaScript, SQL , Node.Js , Express , EJS , Handlebars
Developer Tools: VS Code, Google Colab , Google Cloud Platform
Databases: MongoDB , Databricks , BigQuery

Achievements

- Won **1st** position out of 100 teams in Code4Cause **hackathon** sponsored by **Polygon**.
- Secured **3rd** position out of 85 teams in HackAminer **hackathon** organised by IP University and sponsored by **Solana**.
- Won **1st** position in inter-college rapid chess tournament organised at Anuanl Sports Meet(GGSIPU).