

SHRUTIK SAMANTARAY

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Education

Chandigarh University

Bachelor's in Computer Science Engineering (Hons.) with Specialization in AIML

2021 – 2025

Mohali, Punjab

Birla Bharati

Senior Secondary

2021

Kolkata

The Good Shepherd Mission School

Secondary

2018

Kolkata

Technical Skills

- Python
- SQL
- Machine Learning
- NLP
- Docker
- OOPS
- Statistics
- Deep Learning
- Generative AI
- Github Actions

Experience

Avkalan.ai [Certificate](#)

Feb 2024 – Apr 2024

Artificial Intelligence Intern

Remote

- Developed an advanced AI tool for sentiment analysis and product classification using **Python**, **Machine Learning**, **NLP**, and **Generative AI**.
- Collaborated with cross-functional teams to ensure successful deployment of AI solutions using **(CI/CD) pipeline** like **Github Actions** on **Heroku**.
- Participated in strategic discussions to shape project direction and maximize impact resulting in a 20% increase in project efficiency.

Bharat Intern [Certificate](#)

Oct 2023 – Dec 2023

Data Science Intern

Remote

- Created a **Spam Email detection system** enhancing communication **security** and productivity by filtering unwanted messages and emails. Utilized **EDA**, **Feature engineering**, **Streamlit**, **LLM** and **NLP**.
- Designed and developed an **Attrition Analytics Dashboard** using **PowerBI** to analyze and visualize employee attrition data resulting in a 15% reduction in attrition rates after implementation of targeted interventions.

Projects

Applicant Tracking System | Python, Generative AI, NLP, API, Streamlit

Feb 2024

- Engineered an advanced AI applicant tracking system providing ATS score to the candidate's resume against job description.
- Integrated **Gemini Pro Vision API** and **Natural Language Processing** techniques for text understanding in resumes, using **streamlit** to build the interface, reducing resume processing time by 40% .

Sentiment Analysis | Numpy, Pandas, Sklearn, nltk, Streamlit

Nov 2023

- Crafted a **sentiment analyzer** for understanding **customer sentiments** with an accuracy of **84.3 percent**, improving products and facilitating better decisions for businesses.
- Utilized **API (Rapid Api)** for **data extraction** and deployed the solution using **Docker**, **Github Actions**, and **Heroku**.

House Price Prediction | Python, Numpy, Pandas, Matplotlib, Web Scraping

Jan 2023

- Constructed a **model** to predict the **cost of house** depending on number of rooms, size, location.
- Used **Web scraping** techniques to **extract data** from various platforms.
- Implemented **Pandas**, **Numpy** and **Matplotlib** to perform **data manipulation and visualization**. Achieved a prediction accuracy of 90% on a test dataset.

Leadership / Extracurricular

- Published **Research Paper** on Transforming Skin Cancer Diagnosis: Leveraging Vision Transformers.
- Founded and presided over CU News, an online community with over 1800+ active participants.
- Led as Head Volunteer at National Service Scheme (NSS).
- Served as Student Coordinator at Department of Student's Welfare.