

Samrat Ganguly


Software Engineer

CONTACT

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EDUCATION

B.Tech

Computer Science

With Specialization in AI

& Machine Learning

VELLORE INSTITUTE OF
TECHNOLOGY Chennai

Aug 2021 - Sep 2025

CGPA : 7.06

**HIGHER
SECONDARY**

LAL BAHADUR
SHASTRI SENIOR SEC
SCHOOL KOTA

2019-2021

Kota, Rajasthan

XII - 92.6%

XI - 97.6%

**HIGHER
SECONDARY**

OUR OWN ENGLISH HIGH SCHOOL
Sharjah , UAE

2017-2019

X - 96.8%

SKILLS

Programming: Python (Scikit-learn, Pandas), SQL, Java , C/C++

Data Visualization: PowerBi, MS Excel

Modeling: Machine Learning ,
Logistic regression , Decision Trees ,
Linear Regression

Databases: Postgres, MongoDB,
MySQL

Azure Database , PVA and Automate

WORK EXPERIENCE

Generative AI Intern | Crescent Petroleum , Sharjah , UAE

Aug 2023 – Dec 2023

1. Enterprise Chatbot with Azure OpenAI GPT-4 Integration:

- ❖ Developed an enterprise chatbot on Power Agent with user authentication.
- ❖ Integrated generative AI and NLP capabilities by leveraging Azure OpenAI GPT-4.
- ❖ Successfully extracted and processed queries from user-role access documents.
- ❖ Implemented data extraction from Excel sheets using GPT-4, resulting in highly accurate responses.

2. Image Deduplication App Deployment:

- ❖ Built an Image Deduplication app within the Power Apps framework.
- ❖ Enabled file upload and metadata editing into Dataverse and SharePoint lists.
- ❖ Utilized a Python-based Azure Function App with the Image-dedup library to compare uploaded/taken images.
- ❖ Implemented Power Automate flows to connect the Azure Function App to the Power App, streamlining the process.
- ❖ Displayed similarity scores and extracted metadata for identified duplicate images.

3. Power Automate Flows for Workflow Automation:

- ❖ Implemented Power Automate flows to send emails based on specific instances i.e. new file/record creation in SharePoint

The White Helmets Club, VIT Chennai

SEP 2022 – PRESENT

Task Lead | Social Media and Outreach Department

Skills: Design · Social Media Marketing · Social Media · Canva · Content Management · Marketing

Hack Club VIT Chennai | Social Media Lead

OCT 2022 - PRESENT

Management Department | Skills: Event Management · Strategic Planning · Project Planning

IAEMP VITC Student Chapter

AUG 2022 - PRESENT

Marketing Lead

Skills: Marketing and Finance · Strategic Planning · Leadership · Corporate Responsibility

IoTHINC Club VIT Chennai

SEP 2022 – PRESENT

Management and Operations Department

Skills: Event Management · Leadership · Team Building · Teamwork · Project Planning

Certifications

- C Training by Spoken Tutorial , IIT Bombay
- Advanced C++ by Spoken Tutorial , IIT Bombay
- Python Training by Spoken Tutorial , IIT Bombay
- Introduction to Machine Learning (8 weeks) - IIT Kharagpur NPTEL
- Python for Data Science , IIT Madras (4 weeks NPTEL Certification)
- The Joy Of Computing using Python (12 weeks) - IIT Ropar NPTEL
- Advanced Software Engineering Virtual Experience Program by Walmart x Global Tech
- Data Analytics Consulting Virtual Internship Program by KPMG AU
- ESG Virtual Experience Program by Tata Consultancy Services x Forage
- Finlatics Business Analyst