Software Engineer

Samrat Ganguly

# 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 Visulization: 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 Virtual 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