

IKSHIT SAMANTA

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SKILLS & ABILITIES

Languages: Python, Java, SQL, R, HTML, CSS

Tools/Platforms/Practices: Power BI, Qlik Sense, Tableau, AWS, GitHub, Linux, Excel, Google Analytics, MS Visio, MS Projects, UI/UX

Skills/Strengths: Data Analytics, OOPs, OS, DBMS, Computer Networks, Marketing, Learning (DSA, ML)

EXPERIENCE

- Protiviti – Data & Analytics Intern** [Certificate] May 2023 – June 2023
- Delivered a project where I implemented **ETL** on the data and performed **EDA** on the same using **Python**. Made interactive **visualizations** of these data and designed **dashboards** on **Power BI** as well as **Qlik Sense**. Learnt the concepts of DWH and attended sessions on **Tableau**.
- Workmates Core2Cloud – Cloud Engineering Trainee (Apprenticeship)** [Certificate] June 2022 – July 2022
- Learnt **Computer Networks** and its application in Cloud Computing (**AWS**), launched several instances in different **OS** and implemented different services of AWS to work on projects. Assisted my manager during a client interaction to design the cloud infrastructure they require.
- My Equation (Tech Analogy) – Sales and Marketing Intern** [Certificate] Oct 2021 – Nov 2021
- Made **20+** sales for the products (courses), marketed the products to reach out to maximum target customers and recruited interns to assist me.

PROJECTS

- EDA on OTT Platforms** [link]
- Created & cleaned datasets and made associations among them to analyze the data using **Python**. Made interactive **visualizations** and then built **dashboards** on **Power BI** as well as **Qlik Sense**. It provides 2 solutions – [i] for **end users** (tells them which OTT Platform & its subscription plan would be suitable for them) and, [ii] for **businesses** (helps a production house to determine which OTT it should release its movie on) – based on the analysis.
- Analysis on Zomato's Data** [link]
- Cleaned and visualized the raw data (**51717** unique values) using various **Python** libraries (like **pandas**, **numpy**, **seaborn**, **matplotlib**, **plotly**). Analyzed restaurant types, rates, best location, services, cost, etc. to understand the quality of the restaurant, its demand from customers and so on. Performed Regression Analysis for building a model using **sklearn**.
- Facial Emotion Recognition System** [link]
- Used a pre-trained model, **ensemble duonet**, to detect the type of emotion displayed by the image selected at random from a dataset consisting of **35,000** photographs. Provided a confusion matrix for error detection showing an accuracy of **74%**.
- IoT based Smart Irrigation System** [link]
- Designed a circuit using of **Arduino** board, **Temperature sensor**, **soil moisture sensor**, **DC motor** (Water pump), buzzer, green and red **LEDs**, **LCD screen**. Wrote and implemented a simple **C** code to make the system execute in **any soil or climatic condition** by taking input from the farmer.
- Personal Portfolio** [website] [link] – Made using **HTML**, **CSS**, and basic **JS**.

CERTIFICATIONS & COURSES

Python [link] | Pandas [link] | Data Cleaning [link] | Data Visualization [link] | Intro to ML [link] | Intro to Generative AI [link] | Power BI Essential Training [link] | BA Foundations [link] | BA & PM Collab [link] | BA Experience Program [link] | Becoming a Social Entrepreneur [link]

EDUCATION

- Vellore Institute of Technology, Vellore, India** | **B. Tech, Computer Science and Engineering** July 2024 (expected)
- Delhi Public School, Ruby Park, Kolkata, India** | **Class 12th (Science)** | **Percentage – 90%** March 2020
- Lakshmipat Singhanian Academy Kolkata, India** | **Class 10th** | **Percentage – 90.4%** March 2018

POSITIONS OF RESPONSIBILITY

Centre for Social Entrepreneurship and Development [CSED], VIT, India

- Secretary (Jan 2023 - Present)** – Maintaining synergy in the board, deciding budget for events, and maintaining relations with university and other student bodies, managing CSED's finances, **training** the core members to become successful **positive changemakers**. Conducted CSED's flagship event (Ideathon) based on Sustainable Development Goals, **Startup Street 8.0**, across the nation.
- Publicity & Marketing Head (Jan 2022 - Dec 2022)** – Led a team of **40** people for creating content for CSED's Instagram page, marketed and promoted events conducted by CSED, maintained CSED's online and offline presence, conducted **Startup Street 7.0**.

EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Pursued professional **theatre** (6 yrs), played **Polo** at Calcutta Polo Club (8 yrs), won competitions in **Western band** (guitar & vocals), **dance**, **elocution**.