IKSHIT SAMANTA

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SKILLS & ABILITIES

Languages: Python, Java, SQL, HTML, CSS
Software Tools/Platforms/Practices: Power BI, Qlik Sense, Tableau, AWS, Azure, GitHub, MS Excel, MS Visio, MS Projects, UI/UX, Linux
Skills/Strengths: OOPs, Data Analytics, Computer Networks, Strategic thinking, Problem solving, 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, it's 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 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 Singhania Academy Kolkata, India** | *Class 10th* | *Percentage – 90.4%*   March 2018

POSITIONS OF RESPONSIBITY

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.

- *Publicity & Marketing Head* (Dec 2022 - Jan 2023) **–** 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 CSED's flagship event based on Social Entrepreneurship, Startup Street 7.0, across the nation.

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**.