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, 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 ML [link] **|** Intro to Generative AI [link] **|** Google Analytics [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 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**.