Sagnik Sarkar

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SUMMARY

- **Consultant**: Accomplished Consultant with expertise in agile environments driving customer success across **Manufacturing /Robotic Process Automation** Industry clients across various corners of the world
- **Background**: Excellent at examining issues from multiple viewpoints and analyzing information to find the best solution. Capable **Team Player across multiple Divisions and Groups while achieving 99% on-time service fulfillment.**
- **Conflict Resolution**: Notable for identifying effective strategies to resolve conflict and managing difficult interpersonal situations. Spearheaded successful system improvements of **multimillion-dollar Projects**.

EDUCATION

- **National Institute of Technology Hamirpur** — Hamirpur, India
  Master of Technology in Computer Science and Engineering; GPA: 8.86 — *Sept 2020 - July 2022*
- **University Visvesvaraya College of Engineering** — Bengaluru, India
  Bachelor of Engineering in Electronics and Communications Engineering; First Division — *Aug 2014 - June 2018*

EXPERIENCE

- **Samsung Data Systems (Currently in SIEL Noida (Client))** — Noida, Delhi NCR
  Solution Consulting (ERP Consulting) — *18th April 2023 - Today*
  - **Consultant**: Functioned as an intermediary between the workplace and the client, overseeing the business process using the same application and developing new products.used MES and ERP (NERP and SAP Fiori) technologies to analyse vital data about the production process of more than a million Samsung goods per week. In charge of upkeep and assistance for the MES in the production of different Samsung goods at the biggest Samsung manufacturing facility in the world, Samsung India Electronics Limited Noida Plant, which generates and distributes millions of smartphones a week across the world. Every day, critical data was gathered and analysed, which significantly increased the efficiency of production operations.
  - **RPA Automation PIC**: Being the Automation (RPA) PIC involves being in charge of the automation portion. This results in the automated execution of several manual tasks, a million-dollar reduction in administrative expenses, and the creation of fresh possibilities for businesses. collaborating with several Group and Part leaders to comprehend their needs and carry out their vision in their distinct areas. complete project delivery at several customer sites, including SIEL and SRI-Bangalore.
- **Samsung Data Systems (Samsung SDSI)** — Gurugram, Delhi NCR
  Solution Developer (Cloud MES Part) — *9th May 2022 - 18th April*
  - **Developer**: Contributed substantially to the front-end development of cloud-based, multi-million dollar projects. To prevent memory waste and save customers money on cloud deployment, I monitored and implemented a fresh framework in both the project's front and back ends and identified more features to enhance the present project and the user experience. Added new APIs and updated a few others. HQ was approached with innovative ideas, which were subsequently incorporated into the ongoing project. contributed to creating the project scope, which will be revised with subsequent sprints. played a major role in the development of new solutions that allow administrators or power users to completely manage and keep an eye on the data's visibility in the program and capitalize on it as needed. Accomplished the implementation plan debugging for various issues and system enhancements. reviewed and well-implemented code. regularly carried out the CI/CD workflow and published the project in the Samsung Cloud

SKILLS

- **MES**: Used MES and ERP (NERP and SAP Fiori) for managing the business process and productions.
- **Data Analysis**: Used MySQL and Oracle DB to analyze huge data. Wrote scripts in Python to streamline the process, RPA, Microsoft Excel,SQL, NLP, LLMs, BERT, T5, KG, Graph, Matplotlib, Pandas, SKLearn
- **Software**: Used GIT to monitor and approve pull requests, Vue JS, Bitbucket, Jira, Python, MySQL, MES, C, C++

INTERNATIONAL PUBLICATIONS

- **Combining the Knowledge Graph and T5 in Question Answering**: (Published) In 2nd International Conference on Sentiment Analysis and Deep Learning under the supervision of Dr. Pardeep Singh at NIT Hamirpur
  Link: Combining the Knowledge Graph and T5 in Question Answering in NLP
- **The task of Question Answering in NLP A Systematic Literature Review**: (Published) In INDO-Hungary Fifth International Conference **ICRIC-2022 Volume 2** under the supervision of Dr. Pardeep Singh at NIT Hamirpur
  Link: The Task of Question Answering in NLP: A Comprehensive Review

HONORS AND AWARDS

- **Best Innovator Award**: Was awarded the title of Best Innovator Award at Samsung India Electronics Limited's Noida Plant for creating RPA projects.
- **Winner of Bronze Medal**: Won NFL Big Data Super Bowl 2021 Prediction 2021 by Kaggle and NFL USA
- **Global Ranking: 298**: Spearheaded a squad in the Genetic Engineering Attribution Challenge organized by ALTLABS and achieved **Global Ranking: 298**
- **Global Ranking: 376**: Spearheaded a squad in Flu Shot Learning and achieved **Global Ranking: 376**
- **National Ranking: 3**: Culminated a squad at the IIT Delhi-organized Wireless Sensor Networks Workshops and ranked third place