MUSKAAN SINHA

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With over 3 years of experience, I am a skilled software developer specializing in Python, Data Science, and Machine Learning. Proficient in crafting efficient algorithms and developing data-driven applications, I excel in extracting insights from large datasets and deploying predictive models. Continuously staying updated with the latest advancements, I am committed to delivering innovative solutions that drive business objectives.

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. C S E	Dayananda Sagar University	8.0	2018-2022

Experience

Full Stack Developer - ABInBev
Apr. 2024 - Present

- Developed Financial Reconcilation software using Python and React
- Contributed to full-stack development projects at ABInBev.
- Implemented robust solutions to enhance software performance and user experience
- Collaborated with cross-functional teams to deliver high-quality products on schedule
- Actively involved in staying abreast of AI and software engineering advancements

Data Analyst: Software Developer - The Muthoot Group
Jul. 2023 - Apr. 2024

- Leveraged data for informed decision-making and operational efficiency.
- Cleaned and analyzed data, creating actionable insights.
- Conceptualizing and designing innovative solutions that meet both customer needs and market demands.
- Collaborated with cross-functional teams and implemented predictive models.
- Monitored performance, ensured data integrity, and maintained compliance.
- Proficient in Python, SQL, data visualization, and financial analysis.

Software Developer – Persistent Systems
Jun. 2022–Mar 2023

- Integral member of the software engineering team at Persistent Systems.
- Developed, tested, and maintained software solutions.
- Collaborated on projects to meet technical specifications and client requirements.
- Proficient in programming languages and software development methodologies.
- Contributed to the successful execution of software projects.
- Supported innovation and technological advancements within the organization.

Skills

- **Programming**: Python, SQL, BigQuery, C/C++, ASP .NET, C#, Docker , Devops, Azure , GCP
- **Data Science/Machine Learning:** Pytest , unittest , Pyspark, Flask
- **AI Development:** Dialog flow, GenAI development, NLG, API Development and Integration
- **Web Technologies:** HTML, CSS, JavaScript, React.JS, Node.JS, Git, Azure
- **Data Visualisation Tools:** Looker Studio, Power BI, Microsoft Excel, Visual Studio, Eclipse
- **Soft Skills:** Leadership, Communication, Problem Solving Skills, Team Management, Interpersonal Skills, Agile

Projects

FORT

- Member of ABInBev's development team, working on "Fort" financial reconciliation tool
- Enhancing features and resolving bugs to improve user experience
- Collaborating with cross-functional teams to meet diverse zone needs
- Contributing to streamlined processes and accurate financial reporting
- Committed to ongoing improvement efforts within the project

Chatbot Development

- Developed a personalized loan chatbot using Chatlayer to assist customers via WhatsApp.
- Integrated natural language processing (NLP) to understand user queries and intents accurately.
- Implemented a seamless user experience for loan application, status tracking, and FAQ responses.
- Incorporated backend API integration for real-time loan processing and data retrieval.
- Optimized chatbot performance through continuous testing, feedback analysis, and iterative improvements.

BL Scorecard

- Developed a Python-based BL Scorecard integrating risk model scores, CIBIL data, and bank statement analysis.
- Employed statistical techniques and ML algorithms to derive predictive models for creditworthiness evaluation.
- Integrated data preprocessing pipelines to clean and transform heterogeneous data sources for accurate scoring.
- Automated loan approval/rejection decisions based on calculated scores and predefined criteria.

DialogflowCX

- Orchestrated a conversational chatbot project utilizing Dialogflow for facilitating personal loan applications via WhatsApp.
- Integrated natural language processing (NLP) capabilities to comprehend and respond to user queries effectively.
- Designed intuitive conversation flows to guide users through the loan application process seamlessly.
- Incorporated backend API integration for real-time loan processing and status updates using React.js
- Ensured user privacy and data security compliance throughout the chatbot's interactions and data handling processes.

Bureau Mart

- Led the Bureau Mart project, using BigQuery SQL to build a customer data warehouse for detailed data cleaning.
- Utilized advanced SQL queries for precise and efficient extraction, transformation, and cleansing of customer data.
- Developed customized data scrubbing procedures to maintain data integrity and accuracy across customer activities.
- Implemented data warehousing best practices to enhance performance and scalability of the Bureau Mart platform.
- Performed rigorous quality assurance checks to ensure effectiveness and reliability of data scrubbing processes

Accomplishments

Awards

- Awarded with Best Employee in H1 2023-24 Muthoot Finance Summit, Colombo -Sri Lanka
- Awarded with Best Event Organizer for Springer 2021
- Awarded with Best Dancer 2016 (St. Michael's High School)
- Awarded with 1st Position in Inter State Drawing Competition
- Teamwork and Efficiency Expert at Deep Cognition