Sai Tanmayee Kakarlamudy　　　linkedin.com/in/saitanmayee　　　Tableau　　　ksaitanmayee@gmail.com
(Open to relocation within the US)　　　　　　　　　　　　　　　　　　　　　　　　　　　　+1 6234283912

EDUCATION

Arizona State University (W. P. Carey School of Business)　　　　　　　　　　　August 2022 – May 2023
Master of Science in Business Analytics (MSBA) 4.0/4.0 GPA　　　　　　　　　　　　　　　　*Tempe, AZ*
Birla Institute of Technology and Science (BITS Pilani)　　　　　　　　　　　　August 2020 – June 2022
Master of Business Administration (MBA)　　　　　　　　　　　　　　　　　　　　　　*Rajasthan, India*
Jawaharlal Nehru Technological University　　　　　　　　　　　　　　　　　August 2015 – May 2019
Bachelor of Technology in Computer Science Engineering　　　　　　　　　　　　　　　*Hyderabad, India*

SKILLS

- **Technical Skills:** MySQL, PoweBI, Tableau, Looker, R, Python (NumPy, Pandas, sklearn, Seaborn, Matplotlib, OpenCV, NLTK, TensorFlow, PyTorch)**,** SPSS, Advanced Excel (Excel Formulae, VLookup and HLookup, graphs, Pivot tables), HTML, Google Sheets, MS Office (Word, PowerPoint), Detection of patterns and trends, Jira, GitHub, Snowflake, AWS
- **Machine Learning Techniques:** Predictive Models (Linear regression, Logistic regression, KNN, Decision Trees, Random Forests, XG Boost, Neural Networks), Natural Language Processing, Advanced analytics, Probability, Bayesian Statistics.
- **Functional Skills:** Data Analysis, Business Intelligence, Data Management, Business Analysis, Machine Learning, Data Mining, Agile.
- **Interpersonal Skills:** Critical thinking, time management, Quantitative ability, problem solving, leadership, detail oriented, collaborative, storytelling, communication (writing and verbal), critical thinking, problem-solving, self-starter, quick learner.

PROFESSIONAL EXPERIENCE

Product Data Analyst　　　　　　　　　　　　　　　　　　　　　　　　　　　June 2023 - Present
Wesper　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*NYC, New York*
- Developed **Python scripts** in for **ETL processes**, extracted data from healthcare CRM website and loaded into database using **CSV files**.
- Upgraded **ETL process** by eliminating CSV intermediaries and implemented direct **API calls,** captured JSON/XML responses, converted into data frames for further data processing.
- Deployed the solution as a **Cron job on AWS Lambda** and automated the ETL pipeline thereby enabling daily updates for enhanced accuracy, real-time access and 20% reduction in synchronization time.
- Integrated data from multiple tables into centralized table using **MySQL**, showcasing strong data aggregation & **DB management skills**.
- Created interactive **Tableau dashboards**, revealing key insights on customer behavior trends, facilitating informed decision making.

Data Scientist　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jan 2023 – May 2023
Arizona State University　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Tempe, AZ*
- Led the development of **computer vision** project to detect and draw bounding boxes around diabetic medical devices using **Python**.
- Employed **Python scripts** to scrape images via **Google API**, applied dataset augmentation techniques, and enhanced model performance.
- Utilized ASU's supercomputer infrastructure to train **YOLOv5** and **YOLOv8** object detection models, handled large, complex datasets.
- Optimized model's configuration settings such as learning rate through extensive experimentation and rigorous hyperparameter tuning.
- Demonstrated effectiveness of models in accurately detecting medical devices and achieved a commendable recall rate of 85%.

Product Efficiency Engineer　　　　　　　　　　　　　　　　　　　　　　　Jan 2022 – June 2022
Maybank　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Bangalore, India*
- Contributed to Python-based **ML model**, attained 95% accuracy in identifying customers with loan defaulting behavior.
- Executed complex **SQL** queries for data analysis, proactively identifying potential high-risk customers while prioritizing data.
- Achieved 20% reduction in organization's default rate, resulting in savings of $500,000 and driving improvements in company growth.
- Communicated results through **PowerBI dashboards** using DAX functions to provide dynamic visualizations, empowering data-driven decisions, and prepared user manual explaining the entire working of the loan module application.

Specialist in Technology and Operations　　　　　　　　　　　　　　　　　　　Aug 2019 – Jan 2020
DBS Bank　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Hyderabad, India*
- Collaborated with cross-functional teams and stakeholders to gather requirements for the bank application's credit card module.
- Conducted rigorous **QA Testing** alongside advanced analytics using **Excel (Pivot tables, Graphs, VLookup & HLookup)** & **Python.**
- Drove (achieved) 10% revenue growth from credit card products by identifying low-risk customers with potential for high credit limits.
- Crafted visually appealing **Tableau dashboards** to showcase the optimal credit limit strategy, enhancing data-driven decision-making.

ACTIVITIES

- **Certifications:** Certified Python Business Analyst by Henry Harvin, Lean Six Sigma - Green Belt by KPMG, Microsoft Power BI
- **Relevant Coursework:** Database Management, Data Visualization, Data Engineering, Data Mining, Deep Learning, Supply Chain Management, Marketing Analytics, Corporate Finance, Financial Accounting.