

SHERINE GEORGE

+1 4122874762
sherineg@andrew.cmu.edu

<https://www.linkedin.com/in/sherinegeorge21>

EDUCATION

CARNEGIE MELLON UNIVERSITY – TEPPER SCHOOL OF BUSINESS Pittsburgh, PA
Master of Science in Business Analytics 05/24

An interdisciplinary graduate program designed to provide students with deep analytical skills, business knowledge and creative problem-solving expertise needed to efficiently and effectively transform data into better decision making and a competitive advantage for their organization.

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (IIIT) Bangalore, India
Post Graduate Diploma in Data Science 03/22

RV COLLEGE OF ENGINEERING Bangalore, India
Bachelors in Computer Science Engineering 08/20

EXPERIENCE

Société Générale Bangalore, India
Software Engineer – Data Science 11/20-07/23

- **Automated Transaction Discrepancy Reduction:** Cut 3 months of manual work by using a Decision Tree Classification model to automate breaks identification between accounting and inventory data.
- **US Branch Regulatory Reporting Automation:** Saved 1 month of labor and improved accuracy by automating regulatory instruction translation with a Python script.
- **Market Referential Alert Identification:** Boosted automation by 50% and improved data quality using statistical concepts to automate manual market referential alert identification.
- **Company-Wide Datathon Success:** Secured 2nd place in a company-wide Datathon with 80% accuracy in user segmentation and target region identification using Python and Power BI.
- **ESG Reporting Automation:** Reduced manual efforts by 70% with an innovative solution to extract and preprocess data from PDF files, earning a special mention award.
- **ML Workflow Integration:** Integrated a data transformation tool with an ML modeling platform, saving an estimated \$1 million through workflow automation.
- **PAN Indian Herring Award (Women Starters Category):** Recognized for exceptional talent and Young Turk Award 2021 for outstanding performance and contributions in data science.

LabCorp Bangalore, India
IT Informatics Intern 01/20-07/20

- Developed a Java-based test automation framework using Maven, TestNG, Rest Assured, Extent Report, and Cucumber. Achieved a 40% reduction in testing time, expanded test coverage by 30%, and streamlined software updates and quality control. Published dissertation on this automated API testing framework in IRJET

.Visa Inc Bangalore, India
Summer Intern 05/19-07/19

- Worked on a tool called ORMB (Oracle Revenue Management and Billing) used by Visa for billing and pricing. Contributed in developing a test automation solution to use this tool and saved 2 months of manual efforts annually.

SKILLS

- **Key Skills:** Python for Data Science, EDA, Data Visualization, Inferential Statistics, Hypothesis Testing, Machine Learning - Linear Regression, Logistic Regression, Decision tree, Unsupervised Learning, Bagging, Boosting, Model Selection, Principal Component Analysis, Advanced Regression, Deep Learning, Time Series Analysis/Forecasting, Neural Networks & ANN, Convolutional Neural Networks, Recurrent Neural Networks, Large Language Models
- **Key Technologies:** R, Python (Pandas, Numpy, ScikitLearn, Keras, Statsmodels, OpenCV, PyTorch, NLTK, TensorFlow, LangChain, OpenAI, FAISS), Relational SQL and NoSQL Databases, .Net Full Stack, JavaScript, Java, Hadoop, HDFS, Hive, Pig, HTML, JSON, XML
- **Tools:** Azure, Jupyter Notebook, Web Scraping Technology -BeautifulSoup, RStudio, MongoDB, ELK (ElasticSearch, Logstash, Kibana), Visual Studio, Maven, TestNG, Specflow, ExtentReport, RestAssured, Cucumber, Jira, Data visualization tools (Tableau, PowerBI, Matplotlib, Seaborn, Plotly, Streamlit) Business Intelligence tools (QlikView), Version control systems (Git), Data mining software (RapidMiner), Data warehousing, Data extraction tools, Querying tools (SQLite, PrestoSQL, SQL Server Management Studio, Oracle, MySQL, Valentina Studio), ETL(SSRS, SSIS, Informatica), Excel
- **Soft Skills:** Oral and Written Communication, Leadership, Listening, Teamwork, Conflict Resolution