+1 (321) 444-2758
priyankagopi015@gmail.com
Orlando, FL

Priyanka Gopi

priyankagopi.com
in/priyankagopi
github.com/priankagopi

EDUCATION

Master of Science in Computer Science (3.75 GPA) — *May 2024*
University of Central Florida — *Orlando, USA*
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Data Mining, Machine Learning, Natural Language Processing
Bachelor of Engineering in Electronics and Communication (7.39 CGPA) — *Jun 2019*
Visvesvaraya Technological University — *Bangalore, India*

SKILLS

Languages	:	Python, Spark, SQL, C, R
Cloud/Database	:	AWS, Snowflake, Oracle SQL, IBM Db2, Sybase, NoSQL, MongoDB, Hive
Tools	:	Informatica, Tableau, Power BI, Git, Apache Airflow, Hadoop, UNIX, PyCharm, Autosys, VS Code, GitHub, JIRA

PROFESSIONAL EXPERIENCE

Graduate Research Assistant – *University of Central Florida* — *Aug 2023-present*
- Analyzing **Student's demographic data** from Physics Online Learning Modules (OLM) as part of National Science Foundation (NSF).
- Exploring the relation between learning behavior and learning outcome, motivation, course completion, and other UCF student characteristics through **advanced R analytics** and **visualization** techniques.

Data Engineering Intern – *City of Charlotte* — *Jun 2023-Aug 2023*
- Collaborated with stakeholders and business analysts to gather requirements and understand the company's data needs.
- Streamlined the data cleaning process for unstructured **crime dataset** by developing **automated scripts**, reducing manual effort by 50%.
- Planned and executed data-driven solutions by developing automated data pipeline in **Airflow** and building scalable databases on **AWS** based **Snowflake**, resulting in a 40% increase in operational efficiency.
- Developed timelines for individual projects by working in **Agile framework** to deliver work products in sprints. Leveraged **Jira** to track and catalogue work and communicate progress to direct leadership.

Research Assistant (Data Analytics) – *University of Central Florida* — *Jan 2023-May 2023*
- Leveraged **statistical techniques** to analyze **CDC Medicaid** dataset, to increase predicting accuracy by 15% rise for patient diseases.
- Analyzed data and created robust reporting charts to effectively **communicate findings** with charts, enabling evidence-based decision-making for process improvement and operational efficiency.
- Optimize and fine-tune data models to enhance data retrieval and processing efficiency.

Associate Data Engineer — *Capgemini* — *Apr 2020-Aug 2022*
- Participated in **full data engineering cycle**, requirements gathering across cross-functional teams, initial data analysis, data modeling, unit and integration testing, deployment, monitoring, and maintenance of applications in **Data Governance** for a Fortune 100 Global banking firm.
- Designed, developed, and organized **ETL pipelines** to map data from large-scale data structures to generate insights and address business needs.
- Achieved a **90% enhancement** in SQL query performance through optimization and created dashboards to help developers track their progress and prioritize tasks which increased the work efficiency by 40%.
- Developed Perl scripts to run and streamline data fetched by complex queries and created an interactive **Power BI** report to monitor the **Sybase** database hygiene activities and organize potential risks to handle. Received appreciation for developing an efficient risk monitoring portal that reduced production issues by 40%.
- Actively participated in code reviews and **provided constructive feedback** to ensure code quality, and maintainability for meeting SLAs on time.

Data Engineer — *Capgemini* — *Dec 2019-Mar 2020*
- Conducted and presented qualitative data analysis to scrutinize Zomato online food delivery data in the city of Bangalore, India.
- Designed and scheduled data pipelines in **Autosys**, reducing processing time by 30% and ensuring data availability for timely decision-making.
- Transformed data into actionable insights with **Tableau dashboards**, directly contributing to a 20% increase in revenue through enhanced customer targeting and product offerings.

PROJECTS

Smart Summarizer for CNN News Articles — *Apr 2023*
- Developed a model to **summarize complex 3L Daily News articles**, and meticulously benchmarked performance of diverse state-of-the-art NLP models and personally crafted architecture.
- Demonstrated superior summarization quality through quantitative analysis enhancing information accessibility and streamlining user efficiency.

BRFSS Early Diabetes Prediction — *Dec 2022*
- Prepared comprehensive regression analysis to **identify crucial variables** contributing to the onset of Diabetes among **US citizens**.
- Employed exploratory data analysis, imputation methods, and regression techniques and hyperparameter tuning to boost accuracy up to 98%.

Credit Card Fraud Detection — *Nov 2022*
- Led and implemented an end-to-end ML project pipeline to classify fraud bank transactions from 2,84,000+ imbalanced dataset.
- Leveraged Apache Airflow to automate the **pre-processing** phase of the project, enhancing efficiency and responsiveness.

PUBLICATIONS AND CONFERENCES

- BRFSS Data Analysis : Early Diabetes Prediction — *In-Progress*
- **Attending Grace Hopper Celebration 2023,** *Orlando, FL* — *09/2023*
- **2023 KPMG Women in Advisory Summit,** *Orlando, FL* — *08/2023*

CERTIFICATIONS

Google Data Analytics Professional Certificate, Google, *present* | **Oracle Database SQL Certified Associate**, Oracle | **IBM Data Science Specialization**, IBM

CO-CURRICULARS

Math Tutor, Government School – Bangalore, India — *2022*
Fellow, **Girls Who Code, Rewriting the Code** — *2023*