

PAYAL SAMANTA

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EDUCATION

UNIVERSITY OF SOUTH FLORIDA, TAMPA: Muma College of Business
Master of Science in Business Analytics and Information Systems, Dec 2025

GPA: 4.0

MALLA REDDY ENGINEERING COLLEGE, INDIA: College of Computer Science
Bachelor of Technology in Computer Science & Engineering, Jun 2022

GPA: 3.9

EXPERIENCE

JAVATPOINT

Jun 2021 – Present

Technical Developer –Part Time

- Created customer-facing reports, including Executive Business Reviews, to demonstrate Javatpoint's value and foster client relationships, resulting in a 20% increase in client satisfaction. Conducted stakeholder sessions with over 50 participants to gather requirements.
- Developed reports and dashboards on a by-request basis using Power BI, MS Excel, and Canvas, resulting in a 15% improvement in data accessibility.
- Interpreted and analyzed data from multiple sources (course sales, feedback, marketing metrics) using stored procedures and complex SQL queries and optimize performance that led to a notable 10% increase in customer retention rates, resulting in an estimated millions in additional revenue.

COMMVAULT

Feb 2022 – Jul 2022

Associate Developer (Test Engineer)

- Developed automated scripts and test cases using Selenium with Python to ensure comprehensive test coverage for user scenarios, reducing manual workload by 20%, saving an estimated 80 man-hours per quarter.
- Contributed to sprint planning by creating user stories and automation scenarios, aligning testing efforts with agile development cycles to enhance efficiency.
- Resolved 85% of reported issues through active troubleshooting sessions with developers and QA team members, significantly improving overall product.

Associate Developer (Data Analyst)

- Led end-to-end data analysis using AWS Redshift and S3, optimizing data upload and processing for real-time insights.
- Designed and executed efficient ETL pipelines, applying advanced analytical models to extract actionable patterns, enhancing decision-making by 30%.
- Utilized SQL for querying and solving business problems, leveraging Redshift's inbuilt dashboard for impactful data visualization and insights.

EXPOSYS DATA LABS

Jan 2023 – Mar 2023

Data Science Intern

- Utilized Python (pandas, NumPy) for data extraction, cleaning, and analysis of FDIC data on failed US banks, improving data accuracy by 30%.
- Implemented machine learning models (logistic regression, random forests) and feature engineering, enhancing predictive accuracy by 25%.
- Employed Matplotlib and Seaborn for data visualization, effectively communicating insights and facilitating decision-making.

VVV INFO TECH

Jun 2019 – Aug 2019

Web Development Intern

- Architected robust MVC framework tailored to Broadband Company's specific needs, and deployed over Azure for 99.9% uptime and reliability.
- Integrated Razor Components, JavaScript, Http File, Style Sheets, and designed the data model using UML in MS Visio, enhancing system clarity.
- Showcased customer analytics visualizations using Synapse, analyzing over 1TB of data providing actionable insights for data driven actions.

TECH SKILLS

- Data Science: Python, TensorFlow-Keras, NLP Text Mining, NumPy, Pandas, Scikit-learn, Neural Networks, Deep learning, Convolutional, Time Series, Autoencoders, GANs, Feature Engineering, Dimensionality Reduction (PCA, SVD), Ensemble (XGBoost, Random Forest), Transfer learning, Pytorch
- Databases & Big Data: SQL, Microsoft Server Management, Azure Data Studio, Pyspark, Cassandra, Hadoop
- Visualization & Cloud: Power BI, Alteryx, Microsoft Azure (Data Factory, Databricks),
- Project Management: Agile Practices, Machine Learning Project Life Cycle, Scheduling, Communication, Teamwork, Always Open for Learning
- Software: MS Office (Excel Macros/ VLookup/ Pivot tables), SharePoint, Visio, Power Automate, Power Apps, Jira Essentials
- Development: C# (ASP.NET), MVC, UML, basic data structures and Algorithms, basic system design, problem solving

LEADERSHIP

- TCD (JAVATPOINT): led a team of 10 members in conducting content research, delivering technical articles, resulting in a 30% increase in website traffic.
- Curriculum Project (USF): Led a team of 6 members Developed and deployed a responsive CRUD application website over Azure apps using .NET MVC framework in Visual Studio, enabling customers to book and cancel appointments efficiently.
- Student Govt Asso Vice Lead (MREC): Led a team to increase student engagement by 30% and directed a sustainability campaign reducing waste by 99%.
- Campus Ambassador (MREC): Represented our university at various events, organized workshops and seminars, each attended by at least 700 people.

SKILLS AND CERTIFICATIONS

- Technical core skills- Python, SQL, power bi, MS Excel, Microsoft Office Suite.
- Certified in Microsoft Azure AZ-900 (Azure) and notable work at Microsoft hackathon - [Link](#)
- Certification in The Forage Goldman Sachs Software Engineering & Excel skills for business.
- Certification in Accenture north America - data analytics and visualization.

ACHIEVEMENTS

- Passionate about creating YouTube videos on fashion; Won every dancing competition in school competition.
- Awarded a \$25,000 merit National scholarship by the Telangana Board of Education for the year 2023.
- Achieved a score of 326/ 340 in Graduate Record Exam (GRE) with perfect score in Quant 170/ 170.