

Kameswari Dwaraka Peri

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PROFESSIONAL SUMMARY

Detail-oriented and analytical Computer Science graduate student with strong experience in data analysis, automation, and process optimization. Proficient in Python, machine learning, and statistical modeling, with a passion for solving real-world problems using data. Demonstrated ability to collaborate with cross-functional teams and deliver data-driven insights that improve efficiency and customer experience.

EDUCATION

University of South Dakota

Master of Computer Science

University of Bridgeport

Master of Computer Science

Adikavi Nannaya University | CGPA: 8.63

Bachelor of Computer Science

Vermillion, SD

Jan 2025 – Present

Bridgeport, CT

Sep 2024 – Dec 2024

Rajahmundry, India

SKILLS

Languages & Tools: Python, R, SQL, C/C++, Jupyter Notebook, Pandas, NumPy

Data Science & Analytics: Machine Learning, NLP, Clustering, Predictive Modeling, Statistical Analysis, Data Visualization (Matplotlib, Seaborn, Tableau, Power BI)

Frameworks & Platforms: Scikit-learn, TensorFlow, PyTorch

Project Management: Agile, Scrum, Jira

Other Tools: Microsoft Excel (Advanced), Power Automate

EXPERIENCE

Accenture

Business Analyst

2024

Hyderabad, India

Sep 2022 - Sep

- Analyzed and modeled large datasets using Python and SQL to uncover trends and generate actionable insights, improving operational decisions across 5+ departments.
- Reduced manual workload by 20% by automating reporting processes using Python scripts and Power Automate.
- Collaborated with engineering teams and stakeholders to deploy data-driven strategies that improved service quality and customer satisfaction.
- Led end-to-end data projects utilizing ML models to detect anomalies and enhance predictive risk analysis.

Divya Swaroopa Financial Services P Ltd

Client Relationship Manager

- Managed over 200 client portfolios, providing tailored data reports and financial insights using Excel and automated dashboards.
- Implemented client data tracking systems, reducing reporting errors by 15%.
- Facilitated cross-team collaboration to support business development and stakeholder alignment.

Chennai, India

Jan 2022 – Aug 2022

PROJECTS

Automation Irrigation System

Jan 2021

- Designed and implemented an IoT-based irrigation system using Arduino, Python, and C++, achieving a 30% reduction in water usage.
- Applied real-time data collection from sensors and weather APIs for predictive scheduling using ML logic.
- Enabled cloud integration for remote monitoring and control.

Hospital Management System

Mar 2021

- Developed a full-stack patient management system using Java and SQL.
- Improved efficiency by 25% through automation of scheduling, data storage, and retrieval functions.

WORKSHOPS

Database Management & Data Visualization, Adikavi Nannaya University – Hands-on training with SQL and Power BI for advanced reporting.

Coding & Web Development Bootcamp, RGUKT – Covered full-stack development and automation scripting using Python, HTML/CSS, and SQL.