# Sanghavi Kandukuri

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Portfolio: https://kandukurisanghavi.github.io

## SUMMARY

Results-driven IT graduate with hands-on experience in data analytics, automation, and full-stack development. Proficient in Python, SQL, Power BI, and Excel, with a strong foundation in database design, Agile workflows, and data storytelling. Skilled at translating complex datasets into actionable insights that drive business decisions. A proactive communicator and fast learner, passionate about delivering impactful, data-driven solutions.

## EDUCATION

**Master of Science – Information Technology**                                                        **Aug 2023 - May 2025**
University of New Hampshire – Manchester,NH                                                           GPA - 3.51
**Bachelor of Technology – Electrical and Electronics Engineering**                    **Aug 2019 - May 2023**
Lakireddy Bali Reddy College of Engineering, India                                                    GPA - 3.6

## SKILLS

• **Programming and Development**: Python, Django, HTML, CSS, Pandas, NumPy
• **Database and Data Analytics:** SQL (joins, subqueries, window functions), MySQL, Power BI (DAX, KPI Cards, Custom Tooltips, Slicers, Conditional Formatting, Drillthrough), Excel (Pivot Tables, VLOOKUP, Charts, Data Cleaning, IF formulas, Conditional Formatting)
• **Software Testing:** Manual Testing, Test Case Design, Bug Tracking
• **Agile and Project Management:** Scrum Master, Jira,Sprint Planning, Daily Standups
• **DevOps and Tools:** Git, GitHub, PyCharm, Visual Studio Code
• **Technical Documentation**: ER Diagrams, DDL Scripts, Test Reports, User Documentation
• **Soft Skills:** Communication, Teamwork, Problem Solving, Adaptability, Time Management
• **Adaptability:** Quick to learn new tools and adapt to evolving company needs and technologies.

## PROFESSIONAL EXPERIENCE

**1. SCRUM Master – NECHker Chatbot Project**                                                      **Jan 2025- May 2025**
University of New Hampshire                                                                                **Manchester,NH**
- Led Agile sprints and task assignments using Jira to manage backlog and progress for the "NECHEcker" chatbot ensuring NECHE syllabus compliance.
- Coordinated document preprocessing using `pdfplumber`, `python-docx`, and `pytesseract`.
- Built semantic search with OpenAI embeddings and Chroma vector DB, boosting retrieval precision by 30%.
- Integrated GPT-4 Turbo to auto-generate personalized reports, reducing review time by 40%.

**2. Automation and Data Intern**                                                                          **June 2022 – Aug 2022**
Indwell Automation                                                                                             **Mangalore,Karnataka**
- Developed PLC logic to automate machinery, reducing downtime by 20%.
- Implemented Excel-based sensor log analysis to predict maintenance needs.
- Contributed insights that improved process efficiency and documentation workflows.

## PROJECT EXPERIENCE

**Data-Driven Personal Finance Dashboard – Power BI Project**                            **May 2025**
- Built a Power BI dashboard to visualize income, expenses, savings, and events (Aug 2023 – May 2025).
- Applied DAX, KPI Cards, custom slicers, and drillthroughs to track financial behavior.
- Enabled budgeting improvements, resulting in monthly savings increases of over 15%.

**Interactive Bible Study App – Bible Quest**                                                         **Aug 2024 – Jan 2025**
- Developed a full-stack web application using Django and Python to support Bible study, quizzes, daily verses, and prayer request submissions. Designed and implemented a relational SQL database to store user accounts, quiz data, prayer requests, and verse history.
- Structured database tables with proper normalization, foreign key constraints, and custom queries for efficient data retrieval and reporting. Built an admin dashboard to manage quizzes, review prayer requests, and moderate user activity.

**S.H.I.E.L.D. Database – Team Project**                                                                 **Jan 2024 – April 2024**
- Developed a fictional MARVEL-style SQL database to simulate hero deployment and threat response.
- Constructed ER diagrams and DDL scripts to structure and secure sensitive scenario-based data.
- Wrote advanced SQL queries to manage hero availability, villain associations, and response priorities.

## ACCOMPLISHMENTS

- Completed 100% of sprints as Scrum Master for GPT-powered chatbot project
- Presented BibleQuest capstone, praised for technical depth and spiritual value
- Won Gold Medal in Singing (2022) at university-level competition for vocal excellence

## CERTIFICATIONS

- Introduction to Data Analytics – Simplilearn
- Introduction to SQL – Simplilearn
- Microsoft Excel – Certified
- Python Programming – NPTEL
- Creative Problem Solving – Coursera