

# Sanghavi Kandukuri

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Portfolio: <https://kandukurisanghavi.github.io>

## SUMMARY

Motivated graduate student in Information Technology with hands-on experience in data analytics, automation, and reporting. Proficient in SQL, Python, Power BI, and Excel, with a strong foundation in data visualization, data quality, and actionable insights that support data-driven decision-making. Skilled at translating business requirements into technical solutions, collaborating across functions, and managing multiple projects simultaneously. Passionate about developing and maintaining data visualizations, dashboards, and comprehensive technical documentation.

## EDUCATION

### Master of Science – Information Technology

University of New Hampshire – Manchester, NH

Aug 2023 - May 2025

GPA - 3.51

### Bachelor of Technology – Electrical and Electronics Engineering

Lakireddy Bali Reddy College of Engineering, India

Aug 2019 - May 2023

GPA - 3.6

## TECHNICAL SKILLS

- **Programming and Development:** Python, Django, HTML, CSS, Pandas, NumPy
- **Data Analytics & Visualization:** SQL: Complex queries, joins, subqueries, window functions .Power BI: DAX, KPI Cards, Custom Slicers, Drillthroughs Tableau: Dashboard design, interactive filters, parameters, calculated fields, level of detail (LOD) expressions, trend analysis, and storyboards
- **ETL & Data Quality:** Data preparation, cleansing, validation checks
- **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

Aug 2023 - May 2025

## PROFESSIONAL EXPERIENCE

### 1. SCRUM Master – NECHker Chatbot Project

University of New Hampshire

Jan 2025- May 2025

Manchester, NH

- Led Agile sprints and task assignments using Jira to manage backlog and progress for the “NECHcker” 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

Indwell Automation

June 2022 – Aug 2022

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 in Power BI Desktop 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