

# Sudeepthi Rebbalapalli

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## PROFESSIONAL SUMMARY

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Computer Science graduate student with a strong foundation in software development and data analysis, adept at leveraging technical expertise and innovative thinking to solve complex problems and deliver impactful results.

## EXPERIENCE

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### Associate Consultant, Senior Analyst

Jun 2021 – Jul 2023

*Capgemini Technology Services India Ltd. | Bangalore, India*

- Supported and enhanced the Master Data Management (MDM) system for a global fast-food chain by resolving defects, optimizing performance, and implementing feature enhancements using **SQL**, **XSLT**, and **JavaScript**.
- Engineered **shell scripts** to automate workflows, increasing data processing capacity 3x.
- Resolved 20+ **cybersecurity** vulnerabilities, strengthening data security and application reliability.
- Developed and executed **unit and integration tests**, ensuring seamless SIT, UAT, and production rollouts.
- Trained 10+ team members in **Java**, **SQL**, and **JavaScript**, enhancing team productivity.

### Big Data Intern

Jan 2021 – May 2021

*Capgemini Technology Services India Ltd. | Pune, India*

- Optimized storage and processing for 1TB+ datasets using **Hadoop**, **Spark**, and **Sqoop** reducing processing time by 30-50%.
- Built scalable data pipelines for an Indian food delivery company by developing **Java** packages, implementing **Talend ETL jobs**, writing **Hive queries**, and creating **Bash scripts**.

### Data Science Intern

May 2020 – Jul 2020

*Cyient Ltd. | Hyderabad, India*

- Reviewed 20+ research papers on **deep learning** for fake news detection, outlining methodologies and challenges.
- Developed a **Keras-based** neural network model for effective fake news detection, using **NLTK** for preprocessing, **Scikit-Learn** for feature selection, and **Pandas**, **NumPy**, and **Matplotlib** for data processing and visualization.

## EDUCATION

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### Master of Science in Computer Science

Aug 2023 – May 2025

*Indiana University Bloomington | Bloomington, Indiana | GPA: 3.82*

### Bachelor of Technology in Computer Science Engineering

Jul 2017 – Jun 2021

*Vellore Institute of Technology | Vellore, India | GPA: 9.07/10.0*

## PROJECTS

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### Acquire Game | Python, Pytest, JSON, Game Trees

- Automated the Acquire board game, using game trees for optimal move selection based on predefined strategies.
- Engineered a reusable automated testing framework with JSON comparisons and Pytest.

### Early-Onset Parkinson's Detection from Speech Data | Python, Deep Learning, Speech Processing

- Collaboration with an Indian hospital to classify early-onset Parkinson's from patient speech data.
- Developing on-site speech analysis prototypes with a focus on data privacy and clinical use.

## ADDITIONAL SKILLS

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**Languages:** C, C++, HTML, CSS

**Tools:** Tableau, AWS, GCP, Git, Docker, JIRA, Confluence, Jupyter Notebook, Linux, React, Xcode, Android Studio

## ADDITIONAL WORK EXPERIENCE

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### Part-Time Proctor, Front Desk Operations

Apr 2024 – Present

*Accessible Educational Services, Indiana University | Bloomington, Indiana*

- Facilitate exam accommodations to support student needs effectively.
- Manage inquiries and appointments as the front desk liaison, ensuring smooth operations.
- Monitor exam sessions attentively to ensure compliance and proactively address any issues.