Sudeepthi Rebbalapalli

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PROFESSIONAL SUMMARY

Graduate student in Computer Science with expertise in software development, data engineering, big data, and machine learning. Skilled in delivering reliable, high-impact solutions across the stack in fast-paced environments.

EXPERIENCE

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**.
- Automated workflows with **shell scripts**, tripling data processing speed and reducing manual effort.
- Resolved 20+ high-impact **cybersecurity** vulnerabilities, improving application security and system resilience.
- Led testing efforts across **unit**, **integration**, **SIT**, and **UAT testing**, ensuring smooth production rollouts.
- Mentored 10+ team members in **Java**, **SQL**, and **JavaScript**, enhancing onboarding and team capacity.
- Led technical discussions in daily scrum calls and represented the development team in integration meetings with client-side teams.

Big Data Intern
Jan 2021 – May 2021

Capgemini Technology Services India Ltd. | Pune, India

- Streamlined storage and processing of over 1TB of data using **Hadoop**, **Spark**, and **Sqoop**, reducing runtimes by up to 30%-50%.
- Built scalable data pipelines for an Indian food delivery firm using **Java**, **Talend ETL**, **Hive**, and **Bash**, enabling efficient ingestion and transformation of large datasets.

Data Science Intern
May 2020 – Jul 2020

Cyient Ltd. | Hyderabad, India

- Reviewed 20+ papers on **deep learning** for fake news detection, synthesizing key insights and research gaps.
- 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

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

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

- Developed an autonomous agent for the Acquire board game using game-tree search and predefined strategy evaluation.
- Created a reusable testing suite with JSON-based validations and Pytest for high coverage and reliability.

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

Languages: C, C++, HTML, CSS
Tools: Tableau, AWS, GCP, Git, Docker, JIRA, Confluence, Jupyter Notebook, Linux, React, Xcode, Android Studio

ADDITIONAL WORK EXPERIENCE

Part-Time Proctor, Front Desk Operations
Apr 2024 – Present

Accessible Educational Services, Indiana University | Bloomington, Indiana

- Facilitate accommodation-based exam delivery, ensuring adherence to academic integrity and accessibility policies.
- Manage scheduling, communication, and front-desk operations to support student needs and staff coordination.