Venkata Sathya Gopala Krishna Chada

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EDUCATION

George Mason University, Fairfax, VA
Master of Science, *Computer Science* expected Dec 2025
GPA: 3.89/4.00
Relevant Coursework: Database Management Systems, Data Structures and Algorithms, System Programming, Data Mining

Jawaharlal Nehru Technological University, Telangana, India
Bachelor of Science, Computer Science July 2017 - May 2021
GPA: 3.74/4.00
Relevant Coursework: Linear Algebra, Statistical methods, Design and Analysis of Algorithms, Data Structures, Object- Oriented Programming, Operating Systems

TECHNICAL SKILLS

- **Programming Languages**: C, C++, Java, Python, SQL, MariaDB, Progress 4GL, Javascript
- **Web Technologies**: HTML, CSS, PHP
- **Tools and Technologies**: Git, Jupyter Notebook, Anaconda, Keras, Putty, Andriod Studio, Maven, Jenkins, Selenium, Junit
- **Operating System**: Windows, Linux, MacOS

RELEVANT EXPERIENCE

Senior Software Engineer, SS&C Technologies, Hyderabad, India July 2021 - Dec 2023

- Worked on iFast application to provide additional features as enhancements to the existing product and addressing the queries from the users within the timeline.
- Worked on TEDDY, an application for client onboarding and transitioning.

Software Developer Intern, Safertek IT Solutions, Hyderabad, India Feb 2021 - July 2021

- Converted data from MySQL to MariaDB to load into the inventory system

Full Stack Developer Intern, Hitachi Consulting, Hyderabad, India May 2019 - July 2019

- Worked on front end development for the project 'PCDP' using HTML-5, CSS, Javascript
- Completed training courses on Percipio and developed the new features using React JS, Java, Springboot

Intern, Cognibot and National Instruments, Virtual May 2020 - June 2020
Worked on AI, ML and IoT concepts to build a working chess model

PROJECTS

Modelling and Predicting Cyber Hacking Breaches | *Python, Django, Anaconda IDE, sqllite3*

- Developed a sophisticated predictive model to identify and prevent hacking breaches by analyzing patterns in historical data. The project involved using machine learning algorithms to predict the likelihood and timing of cyber attacks, providing real-time alerts and suggesting preventative measures to enhance cybersecurity defenses.
- Emphasized proactive threat management to mitigate risks before they could result in significant damage, thereby improving the overall security posture of the system.

Library Management System | *RFID antenna- tags, MySQL, Arduino software*

- Developed an automated library management system that integrates RFID technology to enable self-service stations. The system allows users to check out and return books without librarian assistance, streamlining the borrowing process and reducing wait times.
- Implemented RFID antennas and tags to track books efficiently, ensuring accurate inventory management and improving the overall user experience by making the process more convenient and efficient.

Automated attendance management | *Miniature fingerprint matching algorithm, MySQL, Python*

- Designed and implemented an automated attendance management system using biometric fingerprint scanning technology. This system ensures accurate tracking of attendance by matching fingerprints against a stored database, eliminating the possibility of false attendance.
- The project significantly reduces the administrative burden of manual attendance tracking, streamlining the process for both students and staff, and enhancing overall efficiency and reliability in attendance management.

Coin Sorting machine | *C++, Arduino IDE*

- Developed a coin sorting machine that categorizes coins based on their diameters and provides a count for each category as well as the total monetary amount. The machine uses sensors to measure the diameter of each coin as it passes through, sorting them into appropriate bins.
- This project aims to automate the tedious process of manually sorting and counting coins, increasing efficiency and accuracy in handling large quantities of coins, such as in vending machines or coin-operated laundries.

Quiz portal application | *JSP, JDBC, JavaScript, PHP, SQL server*

- Developed an online quiz portal application where students can participate in various quizzes. The platform supports multiple quiz formats and allows real-time participation, providing a dynamic and interactive learning environment.
- The application includes a feature for teachers to monitor performance, enabling them to view top-performing students for each quiz. This functionality helps in assessing student progress and identifying areas needing improvement.

ACHIEVEMENTS

Patriot Packout Initiative - GMU

- Assisted with the setup for collection and distribution of donated items, promoting sustainability and reducing waste on campus.

Accomplished Pianist

- Completed 7 grades in Piano under the esteemed Trinity College of London, demonstrating dedication and musical proficiency.

Undergraduate Involvement

- Initiated and led the Innovation Cell at college, fostering a culture of creativity and technological advancement.
- Lead my team to finals in T.A.S.K Project Development Program showcasing leadership abilities and exceptional proficiency in project development and technical skills.
- Actively volunteered in the National Service Scheme (NSS) through the Street Cause club, contributing to community service projects.
- Played a key role in organizing various college events and won several competitions.

Smart City Hackathon

- Among the top 10 finalists in a highly competitive Smart City Hackathon with over 16,000 participants.