# Somu Medaka

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Passionate technologist with a knack for innovation. Former president of Voice Association, leveraging leadership and treasury skills. Honing skills as a full-stack software engineer at LTIMindtree and perpetual learner. Software engineer by day, adventurer by night. Certified professional with a penchant for continuous learning through internships and industry-recognized certifications. Enthusiastic graduate student pursuing Masters in Computer Science at IIT Chicago. A green thumb who finds solace in planting and nurturing flora. Fascinated by AI/ML, NLP, and computer vision. Ready to explore the limitless possibilities of technology and make an impact in the digital age.

## EDUCATION

**Illinois Institute of Technology, Chicago, IL**                                                    **Expected August 2025**
**2023**
**Masters in Computer Science**
Artificial Intelligence Specialization

**Sri Vasavi Institute of Engineering and Technology,**                                          **August 2021**
**Jawaharlal Nehru Technological University, Kakinada, India. (SVIET)**
Graduated with Bachelor of Technology in Computer Science and Engineering with 7.42 GPA.
I was second class topper in $3^{rd}$ and $4^{th}$ years.

**Sri Chaitanya Junior College, India      (12$^{th}$ )**                                              **March**
**2017**
Candidate for intermediate education in MPC.
Secured Distinction with 86.72%.

**St. Vincent Pallotti EM School, India (10$^{th}$ )**                                              **April**
**2015**
Candidate for secondary education.
Secured Distinction with 8.7 GPA.

## PROFESSIONAL EXPERIENCE

**LTIMindtree Hyderabad**                                                                        **June 2022 - Present**
*Software Engineer– P1*
- Developing new applications for the client which includes backend and frontend along with the database.
- Implemented frontend using angular8 and bootstrap4 and backend with visual studio.
- My role is to build software using languages and technologies of the dot net framework. And create applications from the scratch, configure existing systems and provide user support.
- Understanding client requirements and translate into application features.

## ACADEMIC PROJECTS

**Detecting spam emails with machine learning optimized with bio-inspired metaheuristic algorithms**
- Developed this project that aims to implement machine learning models on email dataset along with bio-inspired algorithms were implemented to optimize the performance of classifiers.
- Completed the system design using unified modelling language, block diagram and use case diagrams.
- Implemented data set reading and inspection that can be taken as spam assassin and genetic algorithm to optimize the performance of classifiers.
- Implemented code based on the multinomial naive bayes that relies on bayes theorem.
- Prepared a nice and clear PowerPoint presentation.

## PROJECTS

**Intern Management System**
- An intern management system is a software, that helps an organization intern to give their best efforts every day to achieve the goals of an organization. It guides and manages intern's efforts in right direction. It also securely stores and manages personal and other work-related details of interns. That makes it easier to store and access the data when there is need.

- I have designed an application for intern management system website with Asp.net, Web API, Angular8, Dot net testing using jasmine and karma, MS test, Proper normalization, Exception handling, Log4Net, C#, SQL server.

**Covid Vaccination Management App**

- I had created a website for customers to book vaccination appointment which should be responsive to any device like Laptop, Desktop, or mobiles. I have used Bootstrap and Angular.
- I had created a registration form for vaccination to customer and provide a login page so that they can see the details etc.
- Here I implemented UI/UX of the SPA application using HTML5, Angular, and backend with API. Net core.

**Theatre Booking System**
- I have designed theatre booking system for action movies where you can have multiple theatres and users, users can register to any theatre.
- User can select any theatre using dropdown and fetch all users. And users can be able to delete and update his profile. I had used OAuth to login as user.

**Organic farm**
- I had implemented a website where first we need to register and login and can add shops and products.
- User can get product by product type and admin can manage the product price, discount, and all.

## Internships

1. **Project Management(Project Manager)**
   - Successfully managed the creation of a Robotics Process Automation platform within a budget of $30,000, ensuring efficient project execution.
   - Developed comprehensive project plans, including a project charter, work breakdown structure, and utilized project management tools such as RACI matrix, Gantt chart, and risk management.
   - Demonstrated strong leadership skills and effective communication in collaborating with global teams to achieve project goals and deliverables.

2. **Esports and Game Design(Game Designer)**
   - Led as Project Lead for the development of "Chronicles of Elysia: The Dimensional Gate," a 3D fantasy RPG game.
   - Successfully designed the game mechanics, storyline, and gameplay flow, incorporating elements of character development, combat, puzzle-solving, and immersive visuals.
   - Demonstrated proficiency in project management, creative problem-solving, and collaboration, resulting in the creation of an engaging and immersive gaming experience.

3. **Cybersecurity : Defensive Hacking(Defence Hacker)**
   - Served as a Defense Hacker and Project Manager, gaining practical knowledge and hands-on experience in various cybersecurity domains.
   - Developed expertise in operating system hardening, cryptography, IDS/firewalls/antivirus, and cybersecurity controls.
   - Applied tools and techniques such as Wireshark, Nmap, Thunderbird, Tripwire, iptables, Clam AV, and Nessus to secure networks, detect threats, and implement effective cybersecurity measures.

4. **Data Visualization(Data Analyst)**
   - Led as Project Lead for the Superhero-U campaign, utilizing data visualization tools to present campaign insights and recommendations.
   - Successfully created and presented visualizations of campaign data sets, providing valuable insights for decision-making and identifying areas for improvement.
   - Demonstrated proficiency in data analysis, visualization techniques, and strategic recommendations, contributing to the success of the campaign and enhancing data-driven decision-making capabilities.

5. **Digital Marketing(Social Media Analyst)**
   - Served as Project Lead and Social Media Analyst, conducting a comprehensive social media audit, developing key messages, and creating strategies for small business improvement.
   - Designed and implemented data-driven digital marketing campaigns, focusing on audience segmentation, content marketing, influencer collaborations, and email marketing.
   - Gained practical experience in analyzing metrics, optimizing social media presence, and refining marketing strategies to drive brand awareness and customer engagement.
   - Demonstrated proficiency in digital marketing best practices, including SEO, audience targeting, and data analysis, while staying adaptable and creative in the dynamic fashion industry.

6. **Entrepreneurship and Innovation(Innovation Consultant)**
   **Prototype**
   - Served as a Project Manager and Innovation Consultant, driving the creation and development of a groundbreaking online learning product.
   - Designed and implemented features such as AI-powered virtual tutor, language customization, hands-on learning simulations, and task scheduling to enhance the online learning experience.
   - Demonstrated market awareness, analyzing the growing market size of online learning and positioning the product within the competitive landscape.

- Contributed to Global Shala's Excelerate platform, offering students access to our innovative application and its advanced features for virtual internships and courses.

## Honors and Awards

- Completed Big Data in University of California San Diego through coursera.
- Completed CCNA Networks in CISCO NETCAD with 87%.
- Completed E-quiz on Java Programming in SRK Institute of Technology with 85%.
- Cracked a job offer through HCL Technologies Qualifier Test - HCL Technologies.
- Completed Python Programming in CISCO NETCAD.
- Cracked a job offer through TCS National Qualifier Test – Tata Consultancy Services.

## SOFTWARE SKILLS

- DotNet: C#, Asp.Net, ADO.Net, VB.Net, multilayer architecture.
- Frameworks: ASP.Net MVC, ASP.Net, ASP.Net Core, ASP.Net web API.
- Work experience with DevOps, Azure DevOps.
- Programming Languages: C, C++, Java script, python, SQL.
- Design and Simulation Software: angular8, HTML & CSS, bootstrap4.
- Databases: Mongo DB, Microsoft SQL Server, Rdbms SQL.
- Testing: Jasmine and karma.
- Web Technologies: HTML, web designing with html.

## EXTRA CURRICULAR ACTIVITIES

- Elected as the president of VOICE association in Computer Science and Engineering Department for two years and treasurer for one year.
- Conducted many events as event coordinator and Association member.
- Volunteered for the blind school and helped them to raise a funds. Taught subjects such as Physics and Mathematics.