

Sai Venkata Karthik Maguluri

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EDUCATION

SRM Institute of Science and Technology <i>B.Tech Computer Science and Business Systems</i>	CGPA: 9.03 <i>Expected: June 2025</i>
Maharishi Vidya Mandir <i>Class: XII - CBSE</i>	Percentage: 81.2% <i>2021</i>
Maharishi Vidya Mandir <i>Class: X - CBSE</i>	Percentage: 77.8% <i>2019</i>

SKILLS

Programming Languages: Java, Python
Data Analysis: SQL, Excel, Power BI
Web Development: HTML, CSS, JavaScript
OS: Unix/Linux commands, Shell Scripting commands
Tools & Libraries: Figma, Bootstrap, Matplotlib, Pandas, NumPy, Wireshark, Git/Github
Soft Skills: Communication, Leadership, Collaboration, Problem Solving

RELEVANT COURSEWORK:

Data Structures and Algorithms, Database Management System, Information Security, Cloud Microservices and Application, Operating Systems, Computer Networks, Data Mining and Analytics, Object Oriented Programming, Usability Design of Software Applications

PROFESSIONAL PROJECT EXPERIENCE

Edunet Foundation <i>Project Based Learning Virtual Internship on Cybersecurity, Python</i>	June 2023 – July 2023
<ul style="list-style-type: none">• Gained hands-on experience in security protocols, threat analysis, and mitigation strategies, leveraging IBM SkillsBuild's cutting-edge learning platform.• Developed and implemented a keylogger to explore real-world cybersecurity threats, showcasing ethical hacking techniques and practical applications of security measures to detect and prevent vulnerabilities.	
Python Developer <i>Freelancer Turbo machinery</i>	April 2023 – June 2023
<ul style="list-style-type: none">• Contributed to an open-source initiative by migrating 6,000 lines of legacy Fortran code to Python, employing modern programming practices to enhance code maintainability, performance, and scalability.• Improved the Multall Program by implementing advanced graphing solutions for blade profiles using Python libraries such as Matplotlib and Pandas, significantly improving the program's data visualization capabilities and accessibility for the engineering community.	

PROJECTS

Navigate: A Travel Agency | | *Front-end Web Development, HTML, CSS, JavaScript, Figma*

- Designed and developed a responsive front-end website for a travel agency, enhancing visual appeal and user experience.
- Integrated the Swiper library and a dark-light theme toggle, adding dynamic features for improved accessibility and interactivity.

Hospital Management System | | *SQL*

- Designed and implemented a comprehensive Hospital Management System as part of a Database Management System course.
- Initiated the project with the creation of an Entity-Relationship (ER) diagram, meticulously mapping hospital processes.

CERTIFICATIONS

Cloud Computing | *NPTEL*

Certified Fundamentals in Cybersecurity | *Fortinet*

Certified Associate in Cybersecurity | *Fortinet*

ACHIEVEMENTS

Web-Paged Event | *Datakon*

Nov. 2022

- Secured 2nd place in the Web-Paged event at the DATAKON2K22 hackathon, demonstrating skills in web development and problem-solving.

LEADERSHIP EXPERIENCE

Committee Head, Finance | *AARUUSH*

Apr. 2023 - Aug. 2024

- Contributed to the workforce for SRM RUN 7.0, organized by AARUUSH, supporting event operations and logistics.
- Managed ticket sales and served as a point of contact for AARUUSH 2023, overseeing financial aspects with strong communication and organizational skills.

EXTRA CURRICULAR ACTIVITIES

Power BI & AI | *Workshop*

June 2024

- Participated in a hands-on workshop on Power BI and AI hosted by Growth School. Learned the fundamentals of Power BI, visualization, and leveraging AI within Power BI.

AI-ML Virtual Internship - Google for Developers | *Eduskills & AICTE*

Jan. 2024 – Mar. 2024

- Successfully completed a 10-week course based learning virtual internship in AI and ML technologies under the India Edu Program, specializing in computer vision, CNNs, and practical machine learning algorithms.

Azure Fundamentals | *Workshop*

May 2024

- Participated in the Microsoft Learn Student Ambassadors workshop, mastering Azure Fundamentals from scratch, covering cloud concepts, Azure architecture, services, management, and governance.

MERN Full Stack Development | *Workshop*

Aug. 2023

- Participated in a 2-day hands-on workshop on MERN Full Stack Development, hosted by the Department of Data Science and Business Systems at SRMIST. Learned the fundamentals of MongoDB, Express, React, and Node.js.