

SAI DAYAKAR REDDY GOLLAPUDI

PROFESSIONAL SUMMARY

Master's student in Information Technology (Cybersecurity specialization) with hands-on experience in Python scripting, security projects, and system development. Skilled in network security, threat analysis, and security frameworks with a strong research and problem-solving background. Adept at applying security concepts to academic projects, volunteer initiatives, and real-world scenarios, and seeking to contribute as an ICT support role by leveraging technical expertise and cybersecurity knowledge to strengthen organizational resilience.

EMPLOYMENT HISTORY

GROCERY TEAM MEMBER

Woolworths Supermarket

Sep 2023 - Jun 2025

Sydney, Australia

- ♦ Organize shelves for optimal product visibility, enhancing customer experience and satisfaction.
- ♦ Maintain inventory accuracy, reducing stock discrepancies and ensuring product availability.
- ♦ Collaborate with team to streamline restocking processes, improving efficiency and workflow.
- ♦ Assist customers with product inquiries, fostering a supportive and informative shopping environment.

VOLUNTEER

UBA (UNNAT BHARAT ABHIYAN)

Jul 2019 - Aug 2022

Chennai, India

- ♦ Led green initiatives, enhancing community sustainability through eco-friendly projects.
- ♦ Organized tree planting, recycling, and cleanups, fostering environmental awareness.
- ♦ Collaborated in events, achieving measurable environmental improvements.
- ♦ Contributed to impactful ecological activities, demonstrating commitment to conservation.

LEAD ORGANIZER - SAIRAM COLLEGE

Mar 2022

- ♦ Led logistics for educational tours, boosting student engagement and learning outcomes.
- ♦ Organized an industrial visit for 120 students, ensuring seamless coordination.
- ♦ Secured permissions from industries, crafting comprehensive itineraries.
- ♦ Managed transport and accommodation, enhancing travel efficiency.
- ♦ Facilitated smooth travel experiences, improving participant satisfaction.

CAMPUS AMBASSADOR

MIT SQUARE

Jul 2021

Chennai, India

- ♦ Raised MIT SQUARE's profile via campus events and social media outreach.
- ♦ Boosted peer engagement through strategic Facebook campaigns.
- ♦ Enhanced campus awareness, driving increased participation in initiatives.

SOFTWARE DEVELOPER (INTERNSHIP)

Exposys Data Labs

Jun 2021

Remote

- ♦ Developed a Python-based Hangman game in Visual Studio Code, enhancing coding proficiency.
- ♦ Utilized Python to create an interactive game, showcasing problem-solving skills.
- ♦ Designed and implemented a Hangman game, demonstrating software development capabilities.

EDUCATION

ECA PROFESSIONAL YEAR

Sep 2025

MASTERS IN INFORMATION TECHNOLOGY AND INFORMATION TECHNOLOGY MANAGEMENT

Jul 2023 - Jul 2025

University of Sydney

Sydney, Australia

Specialization: Cybersecurity

Percentage: 64%

RELEVANT COURSEWORK

CHALLENGING ON YOUR PROGRAMMING SKILLS QUIZ (C PROGRAMMING)

Mohammed Sathak Engineering College

INFORMATION SECURITY MANAGEMENT

University Of Sydney

CYBERSECURITY

University Of Sydney

WEB APPLICATION DEVELOPMENT

University Of Sydney

SKILLS

Python (*Skillful*), Java (*Beginner*), C (*Beginner*), Cloud Security (*Beginner*).

LINKS

LinkedIn: www.linkedin.com, IEEE Journal Publication: ieeexplore.ieee.org.

ACHIEVEMENTS

FIRST PRIZE IN MINI PROJECT (MAY–JUN 2021)

- ◆ Secured **First Prize** by leading a team in developing an innovative technical solution within tight timelines.
- ◆ Facilitated **brainstorming sessions** to define project scope, objectives, and implementation strategy.
- ◆ Applied **problem-solving and critical thinking** to design a functional prototype addressing real-world challenges.
- ◆ Coordinated team responsibilities, ensuring smooth collaboration and **on-time project delivery**.
- ◆ Presented project outcomes to faculty/judges, highlighting **technical depth, creativity, and practical relevance**.

CERTIFICATIONS

GOOGLE CLOUD READY FACILITATOR PROGRAM (COMPLETED JUNE 2021)

- ◆ Gained practical experience with **Google Cloud Platform (GCP)**: Compute Engine, Cloud Storage, BigQuery, Kubernetes Engine.
- ◆ Completed **30 hands-on skill quests** and **15 challenge labs** covering deployment, automation, and security best practices.
- ◆ Designed **IAM policies, VPC networking, and firewall rules**, strengthening cloud access control and security posture.
- ◆ Applied **data analytics and ML workflows** in GCP to build secure, efficient pipelines.
- ◆ Earned multiple **Google Cloud skill badges**, validating technical proficiency and continuous learning.

HTML, CSS & BOOTSTRAP – UDEMY (YOUACCEL TRAINING) (COMPLETED MAY 2021)

- ◆ Developed strong foundations in **HTML5, CSS3, and Bootstrap framework** for front-end web design.
- ◆ Built **responsive, mobile-friendly web pages** using Bootstrap's grid system and utilities.
- ◆ Applied **CSS styling and UI/UX principles** to enhance usability and visual design.
- ◆ Wrote structured **semantic HTML** to improve accessibility and SEO optimization.
- ◆ Created practical projects including **landing pages, forms, and navigation menus**, showcasing hands-on development skills.

PROJECTS

CHRONIC KIDNEY DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS (NOV 2022)

Sri Sairam Engineering College

- ♦ Co-authored and presented research at **IEEE International Conference on Computational Science and Technology (ICCST 2022)**.
- ♦ Applied **SVM, KNN, Random Forest, and Decision Tree** classifiers on CKD datasets.
- ♦ Performed **data preprocessing, feature scaling, KNN imputation, and SMOTE oversampling**, ensuring balanced datasets.
- ♦ Achieved peak **97% accuracy with KNN**, with competitive results for SVM (95%), Random Forest (94%), and Decision Tree (92%).
- ♦ Enhanced precision/recall by balancing minority classes, enabling **improved early-stage CKD prediction**.
- ♦ Followed best practices in **secure handling of healthcare datasets**, ensuring compliance with privacy standards.

DISTRIBUTED SMALL LANGUAGE MODEL WITH FEDERATED LEARNING (JUNE 2025)

University of Sydney

- ♦ Implemented **DistilBERT** within the **Flower (FLWR)** federated learning framework for decentralized NLP training.
- ♦ Designed server–client modules using **Federated Averaging (FedAvg)** and **AdamW optimizer** to optimize convergence.
- ♦ Conducted **data preprocessing and IID partitioning** of the **SQuAD dataset**, improving training stability and fairness.
- ♦ Achieved **83.3% F1 score** and **74.5% Exact Match**, retaining **99.5% performance vs centralized models**.
- ♦ Demonstrated **privacy-preserving ML** by keeping training data local, supporting secure distributed learning.