SACHIN SELVARAJU

Bengaluru, Karnataka, India | sachinscientist001@gmail.com | +917010049945 | **Linkedin:** Link

EDUCATION

CHRIST UNIVERSITY Central Campus, Bengaluru

Master of Science **Expected May 2025**

Major in **Data Analytics**

Cumulative GPA: 3.37/4.0 (Last Trimester Jan 2024)

Key Skills Developed: Advanced statistical analysis, Predictive modeling, Machine Learning, Natural Language Processing (NLP) & Artificial Intelligence Algorithms.

PSG COLLEGE OF ARTS & SCIENCE Coimbatore, Tamilnadu

Bachelor of Science **July 2020 - May 2023**

Major in **Computer Science and Data Analytics**

Cumulative GPA : 3.4/4.0

Key Skills Developed : C++, Java, Networking ,Operating Systems, Software Development, Statistics, Python, R Programming, Data Visualization

ACADEMIC PROJECTS - Visit here

MALWARE DETECTION USING CONVOLUTIONAL NEURAL NETWORK Nov 2022

- Created a CNN-powered malware detection system using TensorFlow and Flask, innovatively converting binary files into PNG images for more effective detection compared to traditional antivirus methods.

MACHINE LEARNING BASED FIREWALL SYSTEM Mar 2023

- Developed a Deep Learning Firewall with Python, TensorFlow, and Flask, providing a proactive defense mechanism by dynamically identifying and blocking malicious network traffic using CNN.

WORK EXPERIENCE

ATMEGA SOFTWARE TECHNOLOGIES (Software Development startup) Erode, Tamilnadu

Operations Coordinator Jan 2023 - Dec 2023

- Organized workflows and task scheduling for the team and connecting with clients to meet project objectives.

IP SECURITY LABS (Cybersecurity) Freelance

VAPT Analyst Dec 2022 - Present

- Conducted vulnerability assessments and penetration testing for small-scale startups and non-profit organizations.

EXTRA CURRICULAR ACTIVITIES

GOOGLE STUDENT DEVELOPER CLUB - PSGCAS PSGCAS, Coimbatore

Cloud Facilator & Organizer June 2022 - April 2023

- Trained students with Google Cloud Technologies in association with Google Developer Club.
- Certified as a **Google Cloud Digital Leader** for expertise in cloud infrastructure and data management.

SKILLSET

Technical Skills:

- **Programming Languages:** C++,Python, R, Java.
- **Machine Learning Frameworks:** TensorFlow, Keras, PyTorch, scikit-learn
- **Cybersecurity Tools:** Kali Linux, Burp Suite, Metasploit, Wireshark, Nessus, Shodan
- **Operating Systems & Additional Skills:** Linux, MySQL, MongoDB; Git/GitHub

Languages: Fluent in English and Tamil; conversational in Hindi.