

# M S PRAVEEN KUMAR

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## EDUCATION

**SRM University, Chennai**

**August 2021 - Present**

**CGPA: 8.15**

- B.Tech in Computer Science with a specialization in Artificial Intelligence and Machine Learning

**Velammal Matriculation Higher Secondary School, Chennai, Tamil Nadu**

**May 2018 - May 2021**

- Completed 12th and 10th State Board examinations with scores of 82% and 75%, respectively

## SKILLS

- **Programming Languages:** C/C++, Python, HTML/CSS, JavaScript, PHP, SQL
- **Tools, Services:** Git, Git CI/CD, Docker, MQTT, MySQL, MongoDB, Grunt, Postman, BurpSuite, Nmap, LAMP Stack (Linux, Apache, MySQL, PHP)
- **Other Skills:** Web and Android Penetration Testing, Secure API Development and Network Protocols

## WORK EXPERIENCE

**August 2023 - Present**

**Technical Head, ACE Club, SRM University**

Organized a Cybersecurity workshop for juniors and led the university's Capture the Flag (CTF) competition.

**Internship at Cappricio Securities (Part-Time)**

**January 2024 - February 2024**

- Developed Python command-line tools, released on PyPI for public use.
- Gained hands-on experience with cybersecurity tools like BurpSuite, Nmap, and Wireshark.

**Internship at Hygeiaes, Healthcare Platform (Part Time)**

**March 2024 - Present**

- **Role:** Backend & VAPT Developer
- Performed Vulnerability Assessment and Penetration Testing (VAPT) to identify and mitigate security risks in healthcare applications.
- Implemented encryption protocols to protect user data.
- Customized core source code for clients like Hyundai, L&T, Nissan, and Apollo Tyres.

## PROJECTS

- **Photogram Web App (Pinterest Clone):** Developed a photo-sharing app with Core PHP and backend services by integrated Nude Detection API. [Project Link](#), [Git Link](#)
- **REST API Server:** Built a notes app API Server using REST and OAuth 2.0 protocols, focusing on secure data transfer. [Git Link](#)
- **VPN Server:** Created a secure VPN server using Wireguard client and integrated MongoDB for user data management, Implemented DHCP, REST API with OAuth 2.0 for secure authentication. [Git Link](#)
- **Multithreaded Math Server, Remote Code Execution:** Built by TCP, UDP Sockets using Python. [Git Link](#)
- **ARP Sniffer and Detector:** Built a Linux background tool to detect ARP Spoofing attacks, preventing MITM and DoS attacks.. Built using C. [Git Link](#)
- **POS System for Cafe:** Developed a real-time QR-based ordering system integrated with Razorpay for Gd Cafe and CSK (Chennai Super Coffee), managing over 500+ orders per month. Features include stock management, payment analytics, order history, and discount management, which includes multi-tier login system for admin (branch-level) and super admin (multi-branch control) with branch-specific customization. [Git Link](#)

## CERTIFICATIONS

- Full-Stack Web Engineering
- API and Advanced Socket Programming
- Python CLI Application On Linux
- Pro Bug Hunting