Sushanth Reddy Rachala

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Education

- **Amity University** — Gurugram, India

  Master of Technology, Network and Cyber Security; GPA: 9.38/10 — *Aug 2021 – Jul 2023*

  Courses: Advance Computer Networks, Advance Database Management Systems, Network and Wireless Security, Intrusion Detection and Prevention system, cryptography, Cyber-crime Investigation and Forensics, Biometric Systems, Malware Analysis, Digital Watermarking and Steganography

- **Aurora Technological and Research Institute** — Hyderabad, India

  Bachelor of Technology, Computer Science Engineering; Percentage: 54.32% — *Sep 2015 - Jun 2019*

  Courses: Data Management Systems, Computer Networks, Web Technologies, Information Security, Artificial Intelligence, Data Base Security, Web Services

Technical Skills

- **Languages**: Python(basics), Sage Math, MATLAB
- **Tools**: MySQL, Wireshark, Nmap, Burp Suite
- **Platforms**: Kali Linux, Windows

Experience

- **Student Researcher – Post Quantum Cryptography (Full-Time)** — *Jul 2022 – Jul 2023*

  CAIR Lab, Defence Research and Development Organization, Bangalore
  ◦ Developing a Cryptography algorithm which is quantum safe
  ◦ Real time implementation on Sage Math to Analyse the Performance of the Decoders

Projects

- **Post Quantum Cryptography**

  Mentor: Dr. Bhupendra Singh, Scientist 'F', DRDO, Bangalore — *Jul 2022 – Jul 2023*
  ◦ Developing a cryptography algorithm which is quantum safe and working on different decoders

- **Data Mining Using Intrusion Detection System**

  Personal Project — *Mar 2019 – Jun 2019*
  ◦ Project is about analysing the network traffic and detect, alert the user about intrusions that are taking place in network.

Certifications

- Fortinet Network Security Level 1: Certified Associate (credential Id: G0eCm4Yore)
- Fortinet Network Security Level 2: Certified Associate (credential Id: 24mwjNmuqE)
- Ethical Hacking: Intern Shala (credential Id: 8CFAB6DF-4EB2-D9CE-FC8E-B3F04DE8E659)
- Lean Six Sigma Certification- Commonwealth Educational Media Centre for Asia (CEMCA)
- CCNA, MCSA, Linux- Key groups