

# Rushin Reddy Ramesh

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[\(Documents\)](#)

## EDUCATION

<b>Bachelor of Technology</b> <b>Manipal Institute of Technology, KA, India</b> Major: Computer Science and Engineering Minor: Entrepreneurship	<b>2020 - 2024</b> <b>CGPA: 9.12/10</b>
<b>Grade 12 - CBSE</b> <b>Chaitanya Techno School, Bangalore, India</b> Physics, Chemistry, Mathematics, Informatic Practices	<b>2018 - 2020</b> <b>Grade : 96%</b>
<b>Grade 10 - CBSE</b> <b>Royale Concorde Intl School, Bangalore, India</b>	<b>2006 - 2018</b> <b>Grade : 93%</b>

## ACHIEVEMENTS

<b>Manipal Institute of Technology</b> <ul style="list-style-type: none"><li>• Merit-Based 100% Scholarship</li><li>• Teaching Assistant - Fresher and Sophomore Labs</li><li>• Department Rank - Top 15 percent</li></ul>
<b>Royale Concorde International School</b> <ul style="list-style-type: none"><li>• CBSE Certificate for Outstanding Academic Performance. Top 0.1 percent Nationally (S.St.)</li><li>• Middle School Captain</li><li>• Co-Best Outgoing Student</li><li>• Co-Developed School's e-Voting System</li></ul>

## PROFESSIONAL EXPERIENCE

<b>Backend Development - Intern</b> <b>SAP Labs, Bangalore</b> Worked with SAP BTP Cloud Foundry; deployed utilizing microservices for optimized scalability, leveraging SAP HANA as the database system. Ensured security with measures against SQL injections and web vulnerabilities. Collaborated with cross-functional teams and participated in knowledge-sharing sessions.	<b>June 2023 - August 2023</b>
<b>System Security - Intern</b> <b>DALVKOT InfoTech, Bangalore</b> Assisted the cybersecurity team in conducting security assessments and proposing solutions. Participated in network monitoring and analysis. Contributed to the development of security documentation and standard operating procedures. Actively engaged in knowledge-sharing sessions, staying up-to-date with the latest trends in cybersecurity.	<b>December 2022 - January 2023</b>

## TECHNICAL SKILLS

<b>Languages:</b> C/C++, Java, Python, Dart, SQL and underlying concepts
<b>Development:</b> <ul style="list-style-type: none"><li>• HTML, JavaScript, CSS</li><li>• <b>Frameworks:</b> SpringBoot, Django, Flutter, Swift, Flutter, React</li></ul>
<b>Core Skills</b> <ul style="list-style-type: none"><li>• Human Computer Interaction, Operating Systems, Distributed Systems, Networks, Advanced Data Structures, Design and Analysis of Algorithms, Database Systems</li><li>• Ethical Hacking and Cyber Security (h/w, s/w), Kali Linux, Usable Security</li><li>• Shell Scripting, UNIX-based systems, Windows</li></ul>

## SOFT SKILLS

- Communication & Collaboration
- Critical Observation & Thinking
- Project Management
- Troubleshooting
- Willingness to Learn
- Creativity and Innovation
- Research
- Football (Soccer)

## TEST SCORES

<b>GRE General - 329 + 4</b> <b>August 2023</b> Quant: 169 Verbal: 160 AWA: 4.0	<b>TOEFL iBT - 115</b> <b>September 2023</b> Reading: 30 Listening: 30 Speaking: 30 Writing: 25	<b>JEE Main - 97.91</b> <b>January 2020</b> Physics: 98.05 Chemistry: 96.72 Mathematics: 95.89
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## PROJECTS [\(GITHUB\)](#)

### DarkWeb Crawler and Scraper for Actionable Intelligence

Feb 2023 - Apr 2023

Tool to provide actionable intel on criminals' real-world presence to law enforcement. Tool to scrape watch-listed marketplaces from darkweb and popular forums on clearnet. Run transaction analysis for patterns like laundering. Match crypto-wallets and IPs.

TechStack: Python, Scrapy, BeautifulSoup, Specter, TOR.

Skills: Maintaining Anonymity, Blockchain Txns.

### CUDA based Image Steganography

Apr 2022 - May 2022

Implement CUDA parallel processing for steganographic embedding. Encryption algorithm ensures the new image is identical to the original image.

TechStack: CUDA C, OpenSSL, libpng.

Skills: Parallel processing, Image Processing, Steganography, SHA256.

### Passive Intrusion Detection System

Nov 2022 - Dec 2022

Tool to analyse traffic in the network to detect malicious activities like port scanning and raise alerts.

TechStack: C, Python, libpcap, TCPDump, Wireshark cmd line.

Skills: Network and Packet Analysis, Port Scanning, PenTest.

### Feature Packed Music Web-App

May 2023

Simple web-app for music streaming. Features: signup and login, adding artists and songs, manage playlists, search songs.

TechStack: HTML, Django, Python.

Skills: WebDev, SQLite3

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## CERTIFICATES

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| <ul style="list-style-type: none"><li>• <b>Open Source Software Development</b><br/>The Linux Foundation   Coursera</li><li>• <b>Project Management</b><br/>Google   Coursera</li><li>• <b>Developing Applications using Swift5</b><br/>LearnQuest   Coursera</li><li>• <b>Usable Security</b><br/>University of Maryland   Coursera</li><li>• <b>Hardware Security</b><br/>University of Maryland   Coursera</li></ul> | <ul style="list-style-type: none"><li>• <b>Software Security</b><br/>University of Maryland   Coursera</li><li>• <b>Python for CyberSecurity Specialisation</b><br/>Infosec   Coursera</li><li>• <b>Ethical Hacking</b><br/>ZSecurity   Udemy</li><li>• <b>Network Security</b><br/>NathanHouse   Udemy</li><li>• <b>Flutter and Dart</b><br/>Maximilian Schwarzmüller   Udemy</li></ul> |
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## EXTRACURRICULARS

- Student Clubs - MIT, Manipal
  - Leaders of Tomorrow - Logistics
  - Chords and Co - Drummer
  - Mafia - Drummer
- RCIS, Bangalore
  - Football (Soccer)
  - MUN (French Delegate)
  - ASTRA Battle-Of-Bands Winner - Drummer

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## VOLUNTEER WORK

- **AIESEC - MAHE:**  
Taught the underprivileged at local schools.
- **Sree Bhavani Educational Society:**  
Taught Computer Science concepts and workshops to underprivileged.
- **Interact (Rotary) Club - RCIS, Bangalore**  
Volunteered at orphanages, old-age homes