

Rushin Reddy Ramesh

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(Supporting Documents on <https://rushinreddy.github.io>)

EDUCATION

Bachelor of Technology Manipal Institute of Technology, KA, India Major: Computer Science and Engineering Minor: Entrepreneurship	2020 - 2024 CGPA: 9.12/10
Grade 12 - CBSE Chaitanya Techno School, Bangalore, India Physics, Chemistry, Mathematics, Informatic Practices	2018 - 2020 Grade : 95.2%
Grade 10 - CBSE Royale Concorde Intl School, Bangalore, India	2006 - 2018 Grade : 93%

ACHIEVEMENTS

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

PROFESSIONAL EXPERIENCE

Backend Development - Intern SAP Labs, Bangalore 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.	June 2023 - August 2023
System Security - Intern DALVKOT InfoTech, Bangalore 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.	December 2022 - January 2023

TECHNICAL SKILLS

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

SOFT SKILLS

<ul style="list-style-type: none">• Communication & Collaboration• Critical Observation & Thinking• Project Management• Troubleshooting• Willingness to Learn• Creativity and Innovation• Research• Football (Soccer)

TEST SCORES

GRE General - 329 + 4 August 2023 Quant: 169 Verbal: 160 AWA: 4.0	TOEFL iBT - 115 September 2023 Reading: 30 Listening: 30 Speaking: 30 Writing: 25	JEE Main - 97.91 January 2020 Physics: 98.05 Chemistry: 96.72 Mathematics: 95.89
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NOTEABLE PROJECTS (GITHUB <https://github.com/RushinReddy>)

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, UI/UX

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.

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.

Blockchain Voting System

Aug 2022 - Oct 2022

Implemented a secure and transparent voting system using a Merkle Tree-based append-only ledger, ensuring data integrity and voter confidence. Created an intuitive user interface for seamless vote casting and real-time result viewing.

TechStack: Python, HTML, Django

Skills: Blockchain Concepts, Cryptography, UX, Advanced Data Structures

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.

CERTIFICATES

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

VOLUNTEER WORK

- **AIESEC - MAHE:**
Taught the underprivileged at local schools.
- **Sree Bhavani Educational Society:**
Taught computer and technology basics & conducted workshops for underprivileged.
- **Interact (Rotary) Club - RCIS, Bangalore**
Volunteered at orphanages, old-age homes