

# Raghav Gupta (Software Engineer)

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## EDUCATION

- **Masters of science in Computer Science** Aug 2022 - Dec 2023  
*University Of Florida | Florida, USA*  
*Coursework:* Advanced Networking, Database management systems, Distributed operating systems
- **Bachelors of technology in Computer Science and Engineering** Aug 2018 - Aug 2022  
*Manipal University Jaipur | Rajasthan, India*  
*CGPA: 8.6/10*  
*Coursework:* Operating Systems, Data Structures, Analysis Of Algorithms, Software Engineering, Relational Database

## TECHNICAL SKILLS

- **Languages:** C++, Python, TypeScript, JavaScript, JAVA, SQL, Bash, Latex, R.
- **Frameworks:** React JS, Django, NodeJS.
- **Tools:** GIT, MySQL, Mongo DB, Figma.
- **Platforms:** Linux, Web, Windows.

## EXPERIENCE

- **Web Developer Intern** Sep 2020 - May 2021  
*London Strategy and Consulting group | Remote*
  - **Work:** Restructured the intern dashboard and redesigned interface of the website's UI/UX with Chakra UI. Developed Chat-app for the company's intern dashboard.
  - **Impact:** By rebuilding and restructuring the database and migrating to MongoDB, boosted query performance and security by 40%. Improved intern onboarding time by 60%.
  - **Tags:** Pusher, Figma, React.JS(Front-end), Node .JS, Express.JS, Firebase, Redux, HTML, CSS, JSON, Mongo(NoSQL), Socket.IO.

## PROJECTS

- **Custom Compiler:** Class project of Programming language principles (COP4020). Jan 2022 - Jul 2022  
This project focuses on hard coded logic's to implement a compiler in part to understand the logic's of Object oriented programming languages. The complete compiler works with an Efficiency of 96% for over 500 test cases.  
**Tags:** Java, JUnit(Unit testing) ,Agile lifecycle development.
- **Network Scanner:** Personal project to understand the concepts of networking. Jul 2021  
Implemented a network scanner that can scan all the end devices on the network. Uses Scapy and ARP scans to ping the clients to exactly trace IP address with corresponding mac address. **Tags:** Python, Scapy.
- **Event management system for Manipal University Jaipur:** Web Application Development. May 2021  
Event management system restructured for Manipal University Jaipur to assist 50+ student groups and authorities in generating reports, scheduling events with comprehensive approval process, registration and payment windows for events. Lowered approval time by 15%, from 7 days to 1-2 days.  
**Tags:** Figma, React.JS(Front-end), Node .JS, Express.JS, Firebase, Redux, HTML, CSS, JSON.

## PUBLICATIONS

- **Survey paper: Effects of Cyber Crime in the world:** Published in International Journal of Research in Science & Technology (IJRST). **Tags:** Privacy, Information security. Sep 2021  
**Link:** [here](#)
- **Book: Introduction to Blockchain and Smart Contract - Principles, Applications and Security:** This book is accepted and published in the CRC press (Taylor and Francis Group). **Tags:** Blockchain, Smart contracts Jun 2021  
**Link:** [here](#)

## HONORS AND AWARDS

- University of Florida, Herbert Wertheim College of Engineering Achievement Award Scholarship May 2022
- Awarded scholarship amount to pursue CEH(practical) by EC Council Mar 2021

## VOLUNTEER EXPERIENCE

- **ChairPerson** May 2020-May 2021  
*Manipal University Jaipur ACM Student chapter | Jaipur, India*  
*Conducted pan India level technical Workshops and events impacting more than 5000 students.*
- **General Secretary** May 2019 - May 2020  
*Manipal University Jaipur ACM Student chapter | Jaipur, India*  
*Supervised technical events and delivered workshops reaching over 7000 Student developers.*