Raghav Gupta (Software Engineer)

✉ connectto.guptaraghav@gmail.com | 📱 (352) 652-7842

○ github.com/Gupta-Raghav | 🔗 guptaraghav.netlify.app | 💼 linkedin.com/in/raghvgupta

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**: Revamped the intern dashboard and chat app by redesigning the website's UI/UX with Chakra UI, resulting in increased usage by over 50 interns.
  - **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

- **Twitter Engine**: Class project of distributed operating systems principles (COP5615).   Nov 2022-Dec 2022

  Implemented core Twitter functionality, including login/sign up, tweeting, following/subscribing, retweeting, querying mentions and hashtags, and sign out.
  Conducted performance testing and found that sign up for 100,000 users took 3.165 seconds and querying mentions and hashtags took 0.03 seconds.

  Tags: Erlang, Cowboy web-sockets.

- **Custom Compiler**: Class project of Programming language principles (COP4020).   Jan 2022 - Jul 2022

  Implemented a compiler using hard-coded logic to understand 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.

- **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.

Mentor   May 2019 - May 2020
Manipal University Jaipur ACM Student chapter | Jaipur,India

Taught linux and basics of cyber-security to a class of 30 students.