RISHABH MITTAL

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Education

Master of Science, **Computer Science and Engineering**	*Expected Apr 2023*
University of California - San Diego – La Jolla, CA	*Current GPA 3.83*

Courses: Operating Systems, Networks, Compiler Design, Cryptography

Bachelor of Technology, **Computer Science and Engineering**	*Graduated 2019*
VIT University – Vellore, Tamil Nadu, India	*with CGPA 8.77*

Courses: Data Structures, Algorithms, Machine Learning, HCI

Technical Skills

- **Programming:** C++, Python, Node.JS, React.JS, Swift, SQL, PHP, Javascript, Typescript
- **Cloud & Tools:** AWS, MS Azure, Git, Docker, MongoDB, Redis, Nginx, Linux, XCode, Jira

Projects

- **PyWeb (Python to Web Assembly Compiler)**:
  - Full stack web application that compiles user input python programs to WASM.
  - REPL (Read Evaluate Print Loop) based user interface to write python code.
  - *Tech Stack: Typescript, Web Assembly, Python, React.JS*
- **Measuring Distributed Service vs. Standalone Service in AWS Cloud**:
  - As part of my Computer Networks course at UCSD, I measured and analyzed the performance of a web service hosted in cloud as distributed vs. standalone.
  - *Tech Stack: Node.JS, AWS, RIPE Atlas*

Professional Experience

Microsoft – Software Engineering Intern   *(3 mo.) Expected Jun 2022 to Sep 2022*
at Atlanta, GA

- During the Summer of 2022, I will be interning with the Azure Data team at Microsoft

Fiverr – Software Developer - Freelancer   *(18 mo.) Apr 2020 to Aug 2021*
profile link: fiverr.com/carter904

- Migrated on-prem applications to AWS cloud infra, reducing operational costs significantly
- Deployed APIs to AWS EC2 with Elastic IP and CloudWatch alarms for minimum downtime
- Developed Node.JS API, React UI, PHP Scripts, Jira Administration and Automation Rules
- Increased efficiency of database access via implementation of write locks in MySQL

Microsoft – Project Manager   *(26 mo.) Jul 2019 to Aug 2021*
at Hyderabad, TS (Ref: Preeti Sharma +91 9100951681)

- Managed teams of consultants and architects to deliver 25+ technical projects in which I was accountable for tracking costs, schedule, stakeholder relationships and risks
- Developed a framework using Microsoft's Power Platform to track 50+ key business metrics of Microsoft IGD effectively, and improve compliance across the domain
- Acquired AZ900 and CAPM Certifications, and mentored 10+ new hires with onboarding

CDC Labs – Software Engineer – Remote Intern   *(8 mo.) Dec 2017 to Jul 2018*
worked remotely (Ref: Rahul Garg +91 8130458150)

- Interned as a MEAN Stack Developer (MongoDB, Express, Angular, Node.js)
- Developed a freight aggregator & management solution with features like online bookings, trajectory recording, Geofencing, Multi Factor Authentication via text OTP etc.

Awards and Honors

Making it Better Award by Microsoft IGD	Apr 2021
Services Practice Leader's Award by Microsoft IGD	Jan 2020
Student Special Achiever Award by Vellore Institute of Technology	Mar 2018

Leadership and Volunteer Experience

Fellowship at Make A Difference – NGO, Bengaluru, KA	May 2018 to Apr 2019
Chairperson of Apple Developers Group - Students Chapter – VIT	May 2017 to Apr 2018