Manan Monga

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Education

Boston University, Boston, MA, USA.   **Expected December 2020**
- MS, Computer Science with Specialization in Cyber Security. GPA: 3.57
- <u>Relevant Courses</u>: Cryptography, Algorithms, Software Engineering, Network Security

PES University, Bengaluru, Karnataka, India.   **August 2015 - May 2019**
- B.Tech, Electronics and Communications
- <u>Relevant Courses</u>: Operating Systems, Network Security, Database Security and Programming Languages
- Senior Thesis on the applications of OpenDaylight, Open Source Software Defined Networking Controller

Skills
- Languages: Python| C++ | Java |SQL | PHP
- Experience of working in AGILE teams

Work Experience

Research Assistant – Boston University Hariri Institute for Computing   **April 2020 - Present**
- Part of core team led by Dr. Trachtenberg to find privacy sensitive electronic contact tracing solutions.
- Researched sensor technologies ideal for exposure-notification applications
- Built prototype application using React-Native and was responsible for BLE implementation

American Express – Fixed Assets Management Intern   **June 2018 - July 2018**
- Spearheaded examination of Fixed Assets Register to develop short-term and long-term building-wise investment model of workplace enablement assets.
- Led the presentation of deliverables to global senior management, was appreciated for insight and clarity of thought.

PES University – Subject Matter Expert (Teaching)   **January 2018 – April 2018**
- Mentored and instructed class of 30 students for subject of Pattern Recognition.
- Mapped out course material, evaluated assignments, and led all group discussions; voted top 5 SME out of 35 by student vote.

Medical Systems and Services – Marketing Strategist   **June 2019 – July 2019**
- Formulated Marketing Strategy for a multinational company selling high value products collaborating with team of salesmen to identify customers' needs and engineers to identify USPs of products.
- Visited customers and understood how MSS products were best solutions for them. Position required 40% travel.

Publications
- Outlined research paper on software defined networks as a backbone for large scale IoT network architecture for critical applications at International Security Conference (AISD 2019) in Lebanon.

Projects
- Interactive Banking System simulating Securities trading with fluctuating stock prices and functional Java GUI
- Java-based grading system facilitating Excel sheet import and template creation for University professors
- Worked on bridge between Polka-Dot and IPFS(InterPlanetary File System) to authenticate users and sign data.
- Led design of auction engine on a cloud platform to auction Bare-Metal nodes

Volunteer Experience
- Taught underprivileged children how to read, write, and perform basic arithmetic under "Each one, Teach one" program of the Indian Government