

RIPUNJAY SINGH

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Education

New Jersey City University

Bachelor of Science in Computer Science

Jersey City, NJ

Expected Graduation: May 2021

• **Cumulative GPA: 4.0/4.0; Major GPA: 4.0/4.0**

• **Relevant Coursework:** Data Structures, Algorithms, Computer Architecture, Internet Multimedia Programming, Software Engineering, Intro to Unix/Linux System, Database Concepts, Computer Operating Systems, Discrete Structures, Statistics & Probability, Multivariable Calculus

Work Experience

JP Morgan Chase & Co.

Jersey City, NJ

Corporate Analyst Development Program Summer Analyst

July 2020 – August 2020

- Provided process improvement solutions to current KYC/Onboarding process at Corporate and Investment Bank, including seamless documentation upload and Virtual Assistant on DataOnce™ platform, raising portal efficiency by almost 60 %
- Recommended NGO, I Challenge Myself with gamification solutions for kids during the pandemic, one of them being creating a virtual journey using Canva and Microsoft Word
- Assisted Asset Management Control Management Team with revamping Share Point using an automated tagging system, allowing faster and efficient transfer and upload of files and folders and easier access

United Parcel Services

Mahwah, NJ

Software Engineering Intern and Co-Op /Enterprise Business Intelligence

June 2019 – July 2020

- Structured, cleaned and detailed Oracle ID user information on Share Point while working on the Linux platform using PuTTY
- Automated the extraction of Oracle ID users SharePoint list using curl command in Bash and storage in database using SQL
- Implemented automation of periodic correspondence of Oracle ID expiration email to listed users using Bash, MYSQL, and VBScript
- Built PL/SQL Procedures and Functions to improve Business Intelligence and Analysis (BIA) website widget security and resiliency

iQ4 Corporation | Cybersecurity Workforce Alliance (CWA)

Jersey City, NJ

Chief Information Security Officer Intern

September 2018 – December 2018

- Implemented distinct cyber security frameworks (NIST & NICE) to deal with real world cyber-threat scenarios
- Conducted research to ensure compliance of cyber-threat program implementations with state/federal regulations
- Built an Incident Response Plan based on the NIST Framework to mitigate internal and external risks to client, and maintained establishment of controls and information-related compliance

Kratikal Technologies Private Limited

Noida, India

Cyber Security Trainee and Intern

June 2018 – August 2018

- Performed web application security testing on client's website using Nessus, BurpSuite, Qualys and Acunetix, decreasing exploits by 45 %
- Coordinated with the Security Operations Center (SOC) on devising incident reports of various websites and presented the result to the management team
- Enhanced knowledge of Cloud Security and IoT Security through industry experts affiliated with the Telecommunications Department, Government of India and IIT, Roorkee

Projects

Spotty

- Developed IoT sensor using Adafruit Tofl v1503x which sensed open and taken parking spots for UPS feeder truck drivers to cut human costs by \$ 20 million
- Built a web application using Bootstrap and JavaScript to notify truck driver of available and taken parking spots
- Won the first place under the IoT category in the UPS Annual Hackathon, hosted by UPS and sponsored by Google, Microsoft and IBM

Email Header Analyzer

- Built an analyzer using Python for users to check geolocation data and spam status of email addresses on Jupyter Notebooks
- Stored crucial header information in dataframes and employed matplotlib and seaborn for data visualization

Skills and Interests

Languages/Technologies: Proficient with C/C++, Python (NumPy, Matplotlib, Seaborn), MySQL; Previously used HTML, CSS, JavaScript, PHP, Bash, Qualys Vulnerability Management, Nessus Vulnerability Scanner, Burp Suite, Wireshark, NMAP; Familiar with Java, Power Shell, Splunk Enterprise 7.x; Experienced with Unix/Linux, Windows, SharePoint, MS Office

Organizations: Delta Sigma Pi, Zeta Eta Chapter (Brother and VP); Enactus (Chapter Founder and President); Model United Nations (Chair, Security Council) ; iQ4 (Program Ambassador); Residence Hall Association (President)

Honors and Awards

- **Golden Gothic Scholarship** – Awarded \$6,000 scholarship for stellar academic record as a transfer student
- **Winner, (ISC)² and Secure Code Warrior Coding Competition** – Awarded 1st place in annual security testing and coding competition hosted by (ISC)² New Jersey chapter and Secure Code Warrior
- **Ignatian Flame Award** - Awarded for being actively involved on campus and contributing to campus life
- **Gold Medal, School of Business** – Awarded Freshman year for a perfect GPA and outstanding extra-curricular record