

# Sahir Karani

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## EDUCATION

**New York University, Tandon School of Engineering**, New York, NY

B.S. in Computer Science, Cyber Security Minor, Honors: *magna cum laude* (GPA: 3.8/4.0)

*Relevant Coursework:* Object Oriented Programming • Data Structures & Algorithms • Operating Systems  
Computer Architecture & Organization • Computer, Application & Network Security • Penetration Testing

## EXPERIENCE

**Goldman Sachs**, New York, NY

**July 2018 – Present**

*Software Engineering Analyst*

- Developed a full-stack application to mitigate risk time while upsizing and downsizing hedged swaps in alternative investments worth \$530 million.
- Blueprinted the future of the order management system for \$1 trillion in Asset Management technology.
- Modelled the UI/UX experience to save communication time and allow for self-reporting analysis on TRS.
- Designed user customizable rules engine and UI for credit agreement management leveraging \$18 billion.

**New York University**, New York, NY

**January 2018 – June 2018**

*Teaching Assistant*

- Graded both programming and written homework, quizzes, and midterms for students.
- Assisted over 75 students dealing with Java programming language concepts.

**J.P. Morgan Chase & Co**, New York, NY

**June 2017 – August 2017**

*Commercial Bank Technology Analyst – Architecture and Engineering*

- Researched Attribute Based Access Control (ABAC) to allow for shift in entitlement management.
- Developed a Policy Decision Point microservice to manage entitlements utilizing Python, XACML & Flask
- Presented and advised JPMC Security/Architecture Council regarding internal security management issues.
- Implemented Agile Scrum Methodology throughout development cycle.

**Deloitte**, New York, NY

**June 2015 – June 2017**

*Networks Engineer Analyst*

- Developed, tested, and managed Python network automation scripts.
- Responsible for the build, test and deployment, LAN, WAN, Wireless, IP Management.
- Performed troubleshooting, fault isolation, and recovery of failed network components.

## ACTIVITIES AND AWARDS

**Goldman Sachs Global Hackathon Winner**, Goldman Sachs New York

**2018**

Awarded first place in the Global Goldman Sachs Hackathon against 2,000 other participants around the world. Designed and created data sanitation suite with 8 core funclets for an internal ETL graphical programming language called Ignitepad.

**Best Android Hack**, HackNYU New York

**2017**

Awarded Best Android Hack for our application designed with the purpose of connecting individuals in developing environments to connect with initiatives and projects that improve quality of living and access to resources. Our team utilized various platforms including Pyrebase and Flask and was evaluated using the following criteria: innovativeness, creativity, form/function, usability, design and community impact.

**Best Software Hack**, WearHacks New York

**2015**

Awarded Best Software Hack based on development of an efficient emergency response device built using Presto API and Android geolocation, calling, and texting. Our device was evaluated using the following criteria: Innovativeness/Creativity, Technical Difficulty, Usability/Quality, Design, and Impact/Viability.

## TECHNICAL SKILLS AND CERTIFICATIONS

- **Programming:** Python, Java, C++, Angular, HTML/CSS, Cisco CLI, LabVIEW
- **Tools:** Jira, Git, Visio, Visual Studio, IntelliJ, Adobe Photoshop, SolidWorks, Microsoft Office
- **Certifications:** FAA Airframe License, FCC Operator License
- **Languages:** English – native, Hindi – native, Gujrati – native, Arabic – beginner