Abhi Gupta

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OBJECTIVE

Sophomore in Computer Science applying for software development or computer security internships, with the aim of expanding my experience to different fields.

EDUCATION

Purdue University, West Lafayette, IN – Major: *Computer Science* | Minor: *Economics*

Technical Skills
- Experience using Java, C/C++, Python, Ruby, Mobile App Development
- Familiar with Cloud Automation/Development (AWS/Azure/GCP), Github, Docker

WORK EXPERIENCE

Aviatrix Systems, Palo Alto, CA – *Software Engineer Intern (May 2017 – August 2017)*
- **Created CLI to automate cloud setup of sample testbeds**
  - automating cloud setup process in Azure, Google Cloud Platform, and Amazon Web Services
  - Extensive use of respective SDKs to control launch of VPCs/instances and the company product
  - CLI tool is used by Aviatrix cloud engineers to automate the testing of product in the different cloud services

ShieldX Networks, San Jose, CA – *Software Development Intern* (May 2016 – August 2016)
- **Signature development for applications**
  - Worked on threat detection rules designed to detect application requests on a network
    - I used Wireshark and Fiddler to analyze pcap files, found strings common to the various HTTP requests, and used those "identifiers" to optimize the rules
  - Utilized Amazon Web Services and Docker to create pcap files
    - I then used the pcap files I made to create more rules and expand the coverage on those applications
  - Created ~2000 threat detection rules, and modified ~1000 existing rules

BFOIT, UC Berkeley, CA – *Mobile Development Intern* (May 2014–August 2014)
- **Frontend Android development**
  - Connected the app to a neural network, that used the phone camera to check for security risks
  - Presented research findings at BFOIT research symposium