Akashdeep Singh Rawat

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EXPERIENCE

Ribbon ECI, Bangalore - Software Developer, August 2018 - PRESENT
I work on an **App**lication with its core written in **C++** and is extended with **Python/Bash/Perl**. It runs on Linux **Debian** with multiple instances spawned on **OpenStack Cloud**. But sometimes I work on other tech too.

- **Reference Implementation**
  Worked on reference implementation of a product used to facilitate multiple upgrades
  Technology: Python, Flask, REST API, Git
- **SNMP MIBs,** Wrote Trap MIBs and verified usage with SNMP Agent and SNMP Monitor
  Technology: Docker/Podman, Ansible, SNMP MIBs, Network Monitor, SNMP Notifier, Git
- **Security Assertion Markup Language**
  Explored Google Auth and Okta SAML, as a way to provide Multi factor auth to products
  Technology: SAML, Google Authenticator, Ubuntu
- **Certificate Based Authentication**
  Established cert based auth, including SAN validation using GnuTLS between 2 products
  Technology: Openstack Cloud, GnuTLS, C++, libmicrohttpd, Debian, Perforce
- **Advanced Intrusion Detection System**
  Created commands to enable/disable AIDE, with logging, log rotating, cron jobs etc
  Technology: Openstack Cloud, Tail-f ConfD, AIDE, Bash Scripting, Debian, Perforce

Genpact, Bangalore - Intern, **July 2017 - August 2017**

- **Front End Web,** Worked as a UI developer of an Order Management System.
  Technology: User Interface (HTML, CSS, jQuery + jQuery DataTable plugin)

EDUCATION

GB Pant Engineering College (GBPIET), Pauri, Uttarakhand - **2014 - 2018**

- Completed my Bachelor of Technology in **Computer Science** with **78.3%.**

Army Public School, Lansdowne, Uttarakhand - **2010 - 2014**

- Intermediate: **88.0%**; High School: **10.0** CGPA

AWARDS and ACHIEVEMENTS

- Ribbon ECI's ACHIEVE, for handling a critical issue before release.
- [Codechef] Global rank 170 in Oct Cookoff 2020, Div 1.
- [Leetcode] Ranked 227 in Biweekly Contest 41
- [Codeforces] Ranked 458 in Round 684, Div2
- [Facebook Hacker Cup] R2 Rank 1227, in FHC 2020, won a t-shirt.