

Experience

Software Engineer II **Twitter** **Jan, 2021 - Present**

- Responsible for building modern Identity and Access Management systems.

Associate **Goldman Sachs** **June, 2017- Dec, 2020**

Was responsible for complete SDLC model of Web Authentication services(Simple password, SPNEGO and RSA based) and MIT Kerberos which is used for authentication by the entire firm.

- **Ping Identity in Cloud:** Designed and developed infrastructure to deploy Ping Identity in Cloud.
- **Sync Services:** Designed, led and developed loosely coupled Microservices to hydrate user's profiles and credentials data from on-premise to cloud for first time and incrementally.
- **MIT Kerberos**
 - Designed and developed REST services on top of Kerberos to allow service account provisioning through Infrastructure-as-Code.
 - Upgraded MIT Kerberos from 1.15.2 to 1.17.1 to improve security and availability to 99.999%.
 - Scaled MIT Kerberos Infrastructure by 320% through Horizontal and Vertical Scaling of Kerberos.
 - Designed and developed loosely coupled Logs Streaming Pipeline by using Filebeat, Kafka and ELK, which improved availability of the service and accuracy of audits to 100%.
- **Web Authentication & SSO**
 - Developed REST services to onboard new teams for centralized authentication.
 - Completed a smooth migration of authentication services to a new and improved infrastructure, which involved collaboration with 25 teams.
 - Upgraded internet facing applications for authentication with Apache(httpd), Tomcat, improved security for cookies, protected pages from enumeration, introduced Rate Limiting and fixed security risks around authentication.
- **SSL Certificate Renewal:**Developed an application to automate the renewal of SSL certificates.

Summer Intern **Goldman Sachs** **May, 2016- July, 2016**

- Developed R based Risk Profiling engine to analyze the process and netstat data from all the servers.
- Modelled the process and netstat data to visualize the architecture of applications.

Education

Warangal **National Institute of Technology** **Aug, 2013-May, 2017**

- B. Tech. in Computer Science and Engineering. GPA: 8.11

Technical Skills

- **Programming languages:** C, C++, Java, PHP, Python(beginner), R, Assembly, SQL, Bash Script, Angular JS, React-Redux(beginner)
- **Databases:** Cassandra, Elastic Search, Sybase, MySQL, MongoDB
- **Frameworks/Tools:** Spring Boot, Django(beginner), DropWizard, Filebeat, ELK, Kafka, JMeter, AWS(beginner)
- **Operating systems:** Ubuntu, Windows

Projects

- **Exam Module** Developed a web application using PHP, MySQL, AngularJS and Bootstrap to manage examinations of the college. It included features like eligibility check for any exam, auto-calculation of grades, student marks, grade approval from faculty to Dean and student promotion
- **Analysis of the Performance of DNA Sequence Compression Algorithms** Developed an algorithm to analyze the performance between ERGC(Efficient Referential Genome Compression) algorithm and NRCG (Novel Referential Genome Compression) algorithm. Paper published in HELIX Conference (<https://bit.ly/2TO2jLb>).
- **P2P** Developed Web based P2P file sharing application build on data channel API.

Honors and Achievements

- Got an accelerated promotion in Goldman Sachs for outstanding performance.
- Lead Web Developer at WSDC(Web and Software Development Cell), NIT Warangal, 2016-17.
- 3rd position in college in Microsoft Online Hacking Competition 'Build The Shield' , 2016
- AIR 4519 out of 12 lakh candidates in JEE Main, 2013.
- Ranked 28th among 1.5 lakh students in intermediate Rajasthan Board,2013.