

MUSKAN MANGAL

Software Engineer at GAP Inc, Hyderabad

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EXPERIENCE

GAP Inc.

Software Engineer (Network & Cloud Security) Jun'21 - Present

- Implementing security policies across multiple platforms like Palo Alto firewalls, Azure NSGs & cloud firewalls to maximize threat protection.
- Proactively optimized firewall rules to prevent unauthorized access by conducting cleanups, existing rule-base analysis & NSGs remediation.
- Migrated all IPsec VPN tunnels from EOL Juniper devices to new ones.
- Provided operational support, including CR management, On-call support for Sev-1/Sev-2 issues, incidents troubleshooting, device & OS upgrades, certificate renewals etc without any process Violation/outages.
- Delving into automation with the aid of Python and azureCLI.

GirlScript Summer of Code (GSSoC'20)

Open Source Developer Mar'20 - May'20

- Contributed mainly to the "GirlScript-Chennai-Website" project.
- Developed web pages, implemented scroll to top functionality, improved code quality and refactored CSS of project.
- Under **top 10** contributors of the project with a total of 34 commits.

Shiptivitas (YC Startup)

Full Stack Web Developer May'20

- Updated the new productivity tool to help users manage their task logs easily using HTML,CSS and JavaScript.
- Features implemented : **kanban style board** to move shipping requests, to two new lane statuses using Dragula library.
- Tied the latest feature with NodeJS backend.
- Expected impact: increase in number of tasks marked as done by 15%.

Virtual Research Internship

Research Student, NITH Jun'20

- Gained understanding of hash tables and concurrent algorithms.
- Analysis of the issues involved in adding concurrency to the Robin Hood hash table algorithm.
- Examined the working of contain method in concurrent algorithm, reference taken from "Concurrent Robin Hood Hashing" paper.

PROJECTS

Campus-Complaint-Register

- A NodeJS web application for filing and solving campus complaints.
- Aims at providing real time feedback of complaint status and its progression once the complaint is filed.
- Used Passport.js for authentication and Express.js to handle HTTP verbs and to add middle-wares within the request handling pipeline.

BookVibes: Book Recommender System

- A correlation based Book Recommendation System written in Python integrated with a web based social network.
- Aims at providing the user best suggestion for next read using Book-Crossing data set.
- Designed and developed web part for this application using HTML,CSS, JS and NodeJS.

EDUCATION

B.Tech in Computer Science 2017-2021

National Institute of Technology, Hamirpur
CGPA: 9.25/10.00

Class XII 2015-2016

Jawahar Navodaya Vidyalaya, Dholpur
95.60%

Class X 2013-2014

Jawahar Navodaya Vidyalaya, Dholpur
CGPA: 10.00/10.00

TECHNICAL SKILLS

- **Languages:**
C++, Python, HTML, CSS, Javascript
- **Tools and Frameworks:**
Panorama, Palo Alto Networks, Global Protect VPN, GitHub, React.js (familiar), Node.js, splunk (familiar)
- **Interests:**
Network security, Azure, DSA, Full Stack Web Development

ACHIEVEMENTS

- Ranked under **top 50** out of 2500+ contributors all across the India in GirlScript Summer of Code (**GSSoC'20**).
- Awarded at **GAP Inc** for demonstrating **own it, Do it, Done** strategy.
- Winner of Tech Trivia Series (Theme Tech-Ops) organised by GAP HDC.
- Successfully cleared **Certified Ethical Hacker** training exam with 90% score.
- **Top 3** out of 30+ teams in the **Hack 3.0 hackathon** organized by CSEC, NITH.
- Made it to onsite round of IUPC (Inter college coding competition) in **Plinth-2018** organised in Jaipur.
- Privileged to be the **Regional Topper** (Jaipur Region) 12th CBSE Board 2016 with **95.6%**.

EXTRA-CURRICULAR

- Served as coordinator of Team .EXE - departmental team for techfest NIM-BUS of NITH.
- Volunteer at GNU/Linux User group, NITH - community to promote open source in college.