

# GAURAV JOSHI

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## EDUCATION

### University of Texas, Dallas

#### Master of Science in Computer Science

GPA: 3.71 | Erik Jonsson Academic Excellence Scholarship | CometX Accelerator

Richardson, TX

May 2023

### Mississippi State University

#### Bachelor of Science in Computer Science

GPA: 3.52 | Bagley College Academic Excellence Scholarship | DevNet Software Engineering Club

Starkville, MS

Dec 2019

## SKILLS & INTERESTS

**Programming:** Java, Python, C, C++, C#

**Web:** HTML, CSS, JavaScript, MongoDB, Express, React.js, Node.js, Flask, SQL, ASP.NET Core

**Data:** Pandas, NumPy, Matplotlib, VBA

**Others:** Git, Linux, Android Studio, Microsoft Azure

**Certifications:** Codepath Certificate in Android Development, AZ-900 Microsoft Azure Fundamentals

## EXPERIENCE

### Nokia – Engineering Co-op | Dallas, TX

Sept 2022 – Dec 2022

- Streamlined software upgrade, E2E system integration, continuous KPI metrics improvement for T-Mobile LTE and 5G Radio Products
- Designed an automated reporting pipeline using Pandas, NumPy, Power BI and Nokia Automation Framework that **reduced the lookup time by 50%**

### ISN - Software Developer Intern | Dallas, TX

June 2022 – Aug 2022

- Revamped the flagship ISNetwork Map Search using C#, ASP.Net Core, Razor Pages and AmCharts API
- Incorporated modern UI design principles to build SPA and **reduced the page reload time by 30%**
- Deployed **4+ items** on average for every **biweekly Agile Scrum** sprint as a part of the development process
- Utilized Azure DevOps as the CI/CD pipeline and performed unit testing for every work item

### Mississippi State University - Intermittent Security Analyst | Starkville, MS

Feb 2020 – Sept 2020

- Led a **team of 3 interns** to administer and identify attack vectors for EventTracker SIEM. Utilized MITRE ATT&CK to improve threat intelligence **by over 120%**
- Optimized SQL queries for configuring SSH tunnel for CyberArk PAM. Developed PowerShell scripts for monitoring server anomalies and **reduced downtime by 25%**

### Mississippi State University – Cybersecurity Student Worker | Starkville, MS

May 2019 – Dec 2019

- Collaborated with Network Engineers and Senior Analysts to configure CyberArk PAM (Privileged Access Management) Solution for **more than 200 servers**
- Developed and optimized Python scripts and SQL queries to analyze **more than 400,000 event** logs across Windows Servers for improving alerting capabilities within Threat Management Center

## PROJECTS

### InstaRide [Android (Kotlin), Material UI, NoSQL (Parse)]

[GitHub](#)

- Created a ride-sharing Android app which allows people to create, join and share rides to their preferred locations
- InstaRide was awarded the most socially impactful app by **Codepath out of 12** other projects

### Good News Bot [Python, Twitter API, Google Cloud Platform, Google NLP]

[GitHub](#)

- Built a sentiment analyzing twitter bot that scrapes **100+ news articles** from more than 50 countries to identify the best news of the day