

# GAURAV JOSHI

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## EDUCATION

**The University of Texas, Dallas**

Richardson, TX

**Master of Science in Computer Science**

May 2023

GPA: 3.64 | Erik Jonsson Academic Excellence Scholarship | CometX Accelerator

**Mississippi State University**

Starkville, MS

**Bachelor of Science in Computer Science**

December 2019

GPA: 3.52 | Bagley College Academic Excellence Scholarship | DevNet SE Club

## SKILLS & INTERESTS

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

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

**Cloud:** Azure App Service, Azure Service Bus, Azure Cosmos DB, Azure Notification Hub, Azure Application Insights

**Tools:** Git, Linux, Redis, Android

## EXPERIENCE

**ISN – Software Developer** | Dallas, TX

July 2023 – Present

- Built Android and iOS push notifications using .NET and C# microservices architecture for ISN's flagship Empower app with **150K+** downloads and **75K+** active users
- Increased user retention by **5%** by developing a new email verification flow that allowed unverified users to access app features for a week
- Designed and implemented the backend services and API client to integrate ISN's **first ever** generative AI engine **InsightAI** into the Empower app
- Enhanced user privacy by developing a new data deletion architecture that enabled users to delete their accounts from outside the Empower app
- Ensured high code quality and reliability by maintaining **95%+ code coverage** across codebase and utilizing Azure Application Insights to troubleshoot and monitor outages

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

September 2022 – December 2022

- Designed an automated reporting pipeline using Pandas, NumPy, Power BI and Nokia Automation Framework that **reduced** the lookup time by **20%**

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

June 2022 – August 2022

- Revamped ISN's Map Search API 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 **15%**

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

February 2020 – September 2020

- Led a **team of 3 interns** to administer and identify attack vectors for EventTracker SIEM using MITRE ATT&CK threat intelligence guidelines
- Created PowerShell scripts for monitoring anomalies on more than **400 servers** and **reduced** downtime by **25%**

## 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
- Awarded the **most socially impactful** app by **Codepath out of 12** other projects

**HuddleHub [Python, Apache Nutch, Apache Solr]**

[GitHub](#)

- Developed a football search engine with Flask backend that crawled, indexed, and clustered over **120K** web pages from **50** unique sources.

**PepEngage [React.js, Blender, Pandas, Matplotlib]**

[GitHub](#)

- As a part of HackDFW PepsiCo challenge, designed 3D rendering of Pepsi products, performed analytics over **1M+** data points and generated visualizations for PepsiCo social media campaigns

**Homes4All [HTML, CSS, JavaScript, MongoDB, React.js, Node.js, Google Maps API]**

[GitHub](#)

- Built a property rental platform that filters properties in-real time based on user location and search selections