# SARANG NAGPAL

+91 9767853304     India

sarangnagpal0@gmail.com     GitHub     LinkedIn     Portfolio

## Education

**National Institute of Technology, Warangal (NITW)**                    2019-2023
Bachelors of Technology, Electronics and Communication Engineering                    Warangal, India

## Experience

**Software Development Engineer**                    Jan 2024 – Present
Amazon                    *Bangalore, India*

- Collaborated in a team to Implement Features to reduce number of Customer clicks by **50**% during onboarding, improving overall issuance metrics by **8**% and reducing latency by **40**%
- Improved Payment Success Rate by **5**% by Implementing Strategies to improve resiliency of **UPI Payments**
- Resolved Numerous Business papercuts and developer backlog queue items implementing **RESTful** APIs using **Java** and multiple **AWS Components**
- Designed and developed systems solving business problems while upgrading the frontend framework to build interactive web pages for mobile from **JSP** to **ReactJs** with **Redux**.

**Back End Developer Intern**                    Oct 2023 - Jan 2024
Raze                    *Bangalore, India*

- Built In-House Central Asynchronous **Server to Server Communication** System, using RabbitMQ for the message queues between **RESTful** application servers
- Extended the design to incorporate Consumer Functions for the queues to perform various business applications in **serverless** manner
- Built **RESTful** APIs in Node.js using **ExpressJS** framework for various CRUD operations and business logic

**Software Development Engineer Intern**                    May 2022 - July 2022
Amazon                    *Bangalore, India*

- Built a back-end service in Spring Boot (**Java**) to test the resilience of Amazon Pay's core UPI service while working in an Agile Environment
- Achieved a **200**% increase in resilience metric for the core service by configuring **stress tests**

## Extra-Curricular

**Lead Software Developer**                    Feb 2023 - April 2023
SpringSpree, NIT Warangal                    *Warangal, India*

- Lead design and development of various subsystems used in Spring Spree for ticketing, payment and social media content creation
- Mentored a team of junior developers working in main tech stack of ReactJS, NodeJS and MongoDB

## Skills

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| **Technical Skills** | System Design, AWS, Web Development, CyberSecurity |
| **Web Development** | ReactJS, NodeJS, ExpressJS, Spring Boot, Java |
| **Programming Languages** | JavaScript, TypeScript, C++, Java, Python |
| **Machine Learning** | Tensorflow, Keras, Deep Learning |

## Summary

A Software Developer with experience designing and developing full stack applications which require high throughput and extremely high availability using various AWS services and custom Micro services.