SARANG NAGPAL

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EDUCATION

Bachelor of Technology, NIT Warangal   2019 - 2023
Electronics and Communication Engineering

Problem Solving using Computer Programming

Operating Systems

EXPERIENCE

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

- Built a service in Spring Boot (Java) to test the resilience of Amazon Pay's core UPI service
- Achieved a 200% increase in resilience metric for the core service
- Extended the CI/CD pipeline to incorporate the new resilience testing service
- Fixed failing Integration tests and resolved errors in CI/CD pipeline

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

- Lead design and development of various subsystems used in Spring Spree [(https://springspree.nitw.in)](https://springspree.nitw.in)
- Developed various subsystems for ticketing, payment and social media content creation
- Mentored a team of 8 junior developers working in main tech stack of ReactJS, NodeJS and MongoDB

PROJECTS

NeuroEvolution Flappy Bird. Build a flappy bird clone in JavaScript and added the functionality to train itself. The game uses NeuroEvolution genetic algorithm to improve each subsequent generation   [Live](#) - [GitHub](#)

Text Highlighter Chrome Extension. Build a chrome extension that can highlight selected text on almost any website. Implemented the core highlight algorithm to recursively traverse through the DOM tree and highlight only the visible text nodes   [Live](#) - [GitHub](#)

SKILLS

Technical Skills	Problem Solving, Software Engineering, Web Development, CyberSecurity
Soft Skills	Effective Communication, Team Work, Leadership
Web Development	ReactJS, NodeJS, ExpressJS, Spring Boot, NextJS
Programming Languages	JavaScript, TypeScript, C++, Java, Python
Machine Learning	Tensorflow, Keras, Deep Learning

CERTIFICATIONS

- Deep Learning by DeepLearning.AI on Coursera

LEADERSHIP

- Lead Developer , Spring Spree Web Development Team
  Spring Spree is the Annual Cultural fest of NIT Warangal, one of the biggest cultural fest of South India