Gagan Indukala Krishna Murthy

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E D U C A T I O N:

New Jersey Institute of Technology   **Newark, New Jersey, US**
Master of Science in Computer Science   Graduation: May 2024
Coursework: Data Structures and Algorithms, Data Management System Design, Operating System Design, Java Programming, Software Project Management, Web System Development, Internet & Higher-Level Protocol, Big Data, Data Analytics with R.

Jain University   **Bangalore, Karnataka, India**
Bachelor of Technology in Computer Science Engineering - Internet of Things
Coursework: Python Programming, Object Oriented Programming - Java, Design and Analysis of Algorithms, Big Data Analytics, Mobile Application Development, Database Security, Cloud Web Services, IoT System Design, Data Science, NLP, Neural Networks.
Project: Smart Anti-Theft System (Under Prof.Basavaraju), Automatic Flood Detection System (Under Prof.Shreenidhi.H.S)

E X P E R I E N C E:

Nviera Technologies PVT LTD   **Bangalore, Karnataka, India**
Software Engineer (Full Stack Developer)   June 2021-Aug 2022
- Demonstrated technical expertise in developing and evolving software in a fast paced and agile development environment using the latest software development methodologies and infrastructure.
- Relentlessly improved quality of the software with a keen eye for reusability, security, testability, performance while continuously iterating on the development process to support new functionality.
- Researched modern technologies, tools and develop proof of concepts as it applies to the product.
- Hands on experience in React JS Framework (JavaScript, HTML, CSS), Python, Go Lang, MongoDb, Bootstrap.
- Gained knowledge in using project management tool JIRA which uses Agile Project Management concept for issues, bugs, tasks tracking, schedule/time management, task dependency tracking and developer performance tracking.
- Good understanding/knowledge with GIT for version controlling and CICD.

Project:
- Developed a PaaS product which provides the platform to develop, test, release and deploy the code in a microservice based architecture.
- The product provides the options to easily orchestrate the different microservices that are developed to create new services as well.
- Developed features like distributed online code editor, automating K8s deployments and code management.
- Developed a microservice to read the AI model code and generate FAST API wrappers.

Mac Machine Tools and Automation PVT LTD   **Bangalore, Karnataka, India**
Software Engineer Intern (Full Stack Developer)   Jan 2021-June 2021
- Hands on experience in Python, JavaScript, MS SQL, Mongo Db, SQL Server Reporting Services, SQL Server Integration Services.

Project:
- Researched innovative technologies and developed a script using python which helps in communication and data transfer between a PLC and Microsoft SQL Server for Food Industry.
- Researched and developed a python script which helps in movement and communication between a joystick and a Universal Robot.

S K I L L S:

Languages: JavaScript, Python, Golang, Java, C++, C#   **Web Development:** ReactJS, HTML5, CSS3, Django, Flask, NextJs
Database: MS SQL, MongoDB, MySQL, Oracle, PostgreSQL   **Utility Tools:** Jira, GIT, Jenkins, AWS, Azure, DBSchema, Dockers
Domain: E-Commerce, Software, Finance, Analytics, Heath   **React Packages:** Redux, Material UI, antd, Router, React Hooks
IDE: VS Code, PyCharm, Eclipse, Jupiter Notebook   **OS:** Windows, MacOS, Linux
General Skills: Figma, Adobe XD, Heroku, MERN, SSRS, Unity, Block Chain, NodeJs, TypeScript, Agile, EmbeddedSystems, Arduino

P R O J E C T S:

Ecommerce Website – Sneaker Store. (GIT HUB Repo)   **Newark, New Jersey, US**
Associated with the course Web System Development at New Jersey Institute of Technology.   Jan 2023-May 2023
- It is an Ecommerce website developed using Python Flask framework, displaying the CRUD operations with POST, PUT, GET, DELETE http methods which is deployed in Heroku Cloud platform using CICD Pipelines while using GIT for version control.
- Stacks used are Flask Framework, Jinja Template, MYSQL, HTML, CSS Bootstrap, WTForms, Heroku, Docker, CICD and GIT.

The City Library   **Newark, New Jersey, US**
Associated with the course Data Management System Design at New Jersey Institute of Technology   Sep 2022-Dec 2022
- It is a project(website) designed to maintain the complex database of a city library, which will oversee all the borrowing, reserving, and returning transactions.
- It maintains all the details of the books and its copies. It also calculates the fine for late returns of the books.
- The Project is done using PostgreSQL, Python and ReactJs.

Smart Anti-Theft System   **Bangalore, Karnataka, India**
Associated with Jain University   Jan 2021-June 2021
- It is an IoT-Based security system which is designed to monitor the entire house to track any type of abnormal movement.
- A signal movement can trigger an alarm, thus notifying property owners of unwanted visitors.