

# Gagan Indukala Krishna Murthy

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GitHub: [github.com/ikgagan](https://github.com/ikgagan) | LinkedIn: [linkedin.com/in/gaganik](https://www.linkedin.com/in/gaganik) (11 Recommendations)

My Portfolio Website: <https://ikgagan.github.io/portfolio/>

## EDUCATION:

**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)

## EXPERIENCE:

**Web Application Developer (Full Stack Developer)**

**Newark, New Jersey, US**

**Data Source NJ – New Jersey Institute of Technology**

Sept 2023-Present

- Successfully evolved a software into a stable version with robust drag-and-drop capabilities and step-wise execution, ensuring reliable function selection and execution of data transformation functions. Implemented breakpoints for efficient program debugging.
- Successfully integrated and prepared data sets relevant to New Jersey, such as local political campaign contributions, township budgets, property taxes, U.S.Census, Covid-19 data, and climate data for analysis, ensuring data quality.
- Developed custom functions for data reconciliation, including case conversion, field separation, and value transformations.
- Designed a user-friendly interface for querying and implemented machine learning for data analysis.
- Presented query results and analyses in graphical and detailed formats.
- Demonstrated proficient in a range of technologies like ReactJS, Django, HTML, CSS, JavaScript, Python, SQL, NoSQL and API integration.

**Software Engineer (Full Stack Developer)**

**Bangalore, Karnataka, India**

**Nviera Technologies PVT LTD**

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.

**Software Engineer Intern (Full Stack Developer)**

**Bangalore, Karnataka, India**

**Mac Machine Tools and Automation PVT LTD**

Jan 2021-June 2021

- Hands on experience in Python, JavaScript, MS SQL, Mongo Db, SQL Server Reporting Services, SQL Server Integration Services.
- 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.

## SKILLS:

**Languages:** JavaScript, Python, Golang, Java, C++, C#

**Database:** MS SQL, MongoDB, MySQL, Oracle, PostgreSQL

**Domain:** E-Commerce, Software, Finance, Analytics, Health

**IDE:** VS Code, PyCharm, Eclipse, Jupiter Notebook

**General Skills:** Figma, Adobe XD, Heroku, MERN, SSRs, Unity, Block Chain, NodeJs, TypeScript, Agile, Embedded Systems, Arduino

**Web Development:** ReactJS, HTML5, CSS3, Django, Flask, NextJs

**Utility Tools:** Jira, GIT, Jenkins, AWS, Azure, DBSchema, Dockers

**React Packages:** Redux, Material UI, antd, Router, React Hooks

**OS:** Windows, MacOS, Linux

## PROJECTS:

**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, WForms, Heroku, Docker, CICD and GIT.