GAGAN INDUKALA KRISHNA MURTHY
Software Developer

LinkedIn | GitHub | Portfolio | **Location:** Sunnyvale, CA | **Email:** ik.gagan@gmail.com | **Phone:** +1 (408)-439-0043

EDUCATION

New Jersey Institute of Technology   **Newark, New Jersey, US**
Master of Science in Computer Science

Jain University   **Bangalore, Karnataka, India**
Bachelor of Technology in Computer Science Engineering - Internet of Things

WORK EXPERIENCE

Software Developer | New Jersey Institute of Technology - Data Source NJ   **Aug 2023 - May 2024**
- Successfully evolved software into a stable version with robust drag-and-drop capabilities and stepwise execution, ensuring reliable function selection and execution of data transformation. Implemented breakpoints, resulting in a 30% increase in debugging efficiency.
- Successfully integrated and prepared over 50 data sets relevant to New Jersey (local political campaign contributions, township budgets, property taxes, U.S. Census, Covid-19 data, and climate data for analysis, ensuring data quality and reducing data inconsistencies by 25%.
- Developed custom functions for data reconciliation, including case conversion, field separation, and value transformations, which improved data processing speed by 20%.
- Implemented machine learning models like Regressions, Decision Tree and clustering to provide predictive analytics, improving data driven decision-making by 25%.
- Presented query results and analyses in graphical formats, resulting in a 25% increase in user comprehension and engagement.
- Designed a user-friendly interface for multi-dataset querying and analysis, enhancing user experience and query speed by 20%.
- Demonstrated proficiency in a range of technologies like ReactJS, Django, HTML, CSS, JavaScript, Python, SQL, NoSQL, and API integration, resulting in a 50% reduction in development time for new features.

Software Developer | Nviera Technologies   **June 2021 - Aug 2022**
- Developed a PaaS product that provides the platform to develop, test, release, and deploy code in a microservice-based architecture, reducing deployment time by 40%.
- The product offers options to easily orchestrate different microservices that are developed to create new services, leading to a 30% increase in development efficiency.
- Developed features such as a distributed online code editor, automating K8s deployments, and code management, which improved developer productivity by 25%.
- Developed a microservice to read AI model code and generate FAST API wrappers, reducing the time to production for AI models by 50%.
- Relentlessly improved quality of the software with a keen eye for reusability, testability, and performance while continuously iterating on the development process to support new functionality, resulting in a 35% reduction in bug reports and a 20% increase in release speed.
- Tech Stack used are React JS Framework (JavaScript, HTML, CSS), Python, Go Lang, MongoDB, and Bootstrap

Software Developer | Mac Machine Tools and Automation   **Dec 2020 - June 2021**
- Developed an internal workday application using React, optimizing HR and financial processes, resulting in a 30% increase in departmental efficiency and a more organized workflow across the company.
- Implemented complex state management and dynamic form validations within the Workday system, ensuring seamless data entry and retrieval for over 1,000 employee records.
- Leveraged React's component lifecycle and hooks to create modular, reusable components, reducing code redundancy by 25% and improving the maintainability of the application.
- Integrated DevExpress and AG Grid within the Workday application, enabling advanced, customizable data grids that improved data processing speed by 40% and reduced reporting time by 35% for large datasets.

SKILLS

Languages: JavaScript, Python, Golang, Java, TypeScript   **Frontend Development:** ReactJS, HTML5, CSS3, NextJs
Database: MS SQL, MongoDB, MySQL, Oracle, PostgreSQL   **Utility Tools:** AWS, DBSchema, Dockers, Heroku, Kubernetes
Domain: E-Commerce, Software, Finance, Analytics, Heath   **React Packages:** Redux, AG Grid, Material UI, Jest, Router, Hooks
IDE: VS Code, PyCharm, Eclipse, Jupiter Notebook   **CSS and UI/UX:** Tailwind, Bootstrap, Figma, Adobe XD
Development: NodeJS, MERN, Django, Flask, Electron   **Management:** Jira, Agile, GIT, ClickUp, Asana, GitHub, GitLab

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**
- Developed an Ecommerce website using Flask, displaying the CRUD operations with POST, PUT, GET, DELETE http methods.
- Deployed the application on the Heroku Cloud platform using CI/CD pipelines, achieving 99.9% uptime and ensuring rapid, automated updates with zero downtime while using GIT for version control.
- Tech Stacks used are Flask, Jinja Template, MYSQL, HTML, CSS Bootstrap, WTForms, Heroku, Docker, CI/CD and GIT.