

NIKHIL KUDUPUDI

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EDUCATION

Northeastern University

Masters in Data Analytics Engineering

Boston, USA

Sep 2024-Present

GMR Institute of Technology [GMRIT], Jawaharlal Nehru Technological University

Bachelor of Technology, Computer Science & Engineering; 8.8 CGPA

Rajam, India

Jun 2018 - May 2022

TECHNICAL SKILLS: Python, Java, Node JS, Express JS, SAS programming, SQL, Microservices, API

PROJECTS

- **User Management [Personal]:** Developed a User Management Microservice with Spring boot and CRUD Operations connected to MongoDB using Java and understood the API Gateway and Circuit breakers
- **Registration API [Personal]:** Learned about the API and Microservices by implementing the API service of registration handling connecting to a SQL Server database along with the UI of the registration page generated using Visual Studio and Dot Net framework as the core MVC Architecture pattern for request handling
- **Autonomous Cars Simulation [GMRIT]:** Developed an algorithm to recognize objects and pathway movement quickly. Used ML and deep learning algorithms like CNN and Lidar concepts alongside the udacity simulator for the accuracy of pathway detection testing. Achieved 79% accuracy in car movement in different weather conditions
- **Heart Disease Analysis [GMRIT]:** Summarized the heart disease existence classification. Used the Cleveland dataset with 14 parameters to identify diseases with a strong effect on the heart. Developed and compared different algorithms to identify the heart disease chance. Logistic Regression performed the best

WORK EXPERIENCE

Webileapps

Hyderabad, India

Associate Software Engineer

Nov 2022 - July 2024

Project: AIF Wealth Management - AIF is a private investment way of investing in equity mostly managed by individuals or body corporates, offering different investments based on the categories. It has various categories for investments have different options for investments such as capital preservation with high returns, debt, and equity funds which involve multiple investment managers and trustees

- Executed the minor onboarding flow for investment in schemes, CKYC data, and PAN verification using external API functionalities
- Developed Support Functionality for handling encrypted files and Contribution Agreement Integration based on a scheme using microservices

Project: Portfolio Management Service (PMS) - PMS is another way of investing with a minimum high investment amount and the flexibility to switch between cash, equity, and risk profile based on market conditions. It will give more flexibility to go with their investment strategies and options while having the choice not to go with investment managers and trustees

- Implemented mapping functionality for schemes to distributors, authorization based on the roles, and application status-based email triggering functionality
- Developed a comprehensive method to understand the risk-based appropriate schemes
- Performed PDF Form integration change based on the custodian types

Project: Library Management

- Implemented a Library Management system that gives the backend services with multiple APIs to handle different requests using Express Js as the framework. For load handling, the API requests gateway integrated the nginx configuration to prevent the server from crashing. Code Quality was handled using the sonar scanner
- Performed the unit testing using Jasmine test explorer, connected the services to the SQLite Database for data storing, and integrated the query handling with Sequelize

ADDITIONAL TECHNICAL COURSES/ CERTIFICATIONS/ ACTIVITIES

- [SAS Programming 1: Essentials](#), Digital Badge, SAS Institute **July 2022**
- Python (Basic) Certification; HackerRank **Oct 2020**
- Java (Basic) Certification: HackerRank **Oct 2022**
- Introduction to programming in C, NPTEL **Oct 2019**
- Python Data Structures, Coursera **Sep 2020**
- Intro to Machine Learning, Kaggle **Aug 2021**
- Software Engineering Virtual Experience, JP Morgan Chase & Co through Forage **Oct 2022**
- Contributor, Hub-bot repository, HacktoberFest, Github **Oct 2022**