

Senkathir M

 Senkathir |  senkathir2@gmail.com

CAREER OBJECTIVE

To succeed in an environment of growth and excellence and earn a job that provides job satisfaction and self-development and helps me achieve personal and organizational goals.

WORK EXPERIENCE

Programmer Analyst - Cognizant

Aug 2022 - present

- As a GIS Developer I have played a pivotal role in developing and maintaining geospatial applications, utilizing a combination of Geoserver, OpenLayers, QGIS, and Angular.
- Managed Geoserver instances, configuring layers, workspaces, and data stores to ensure optimal performance and data availability.
- Created custom map styles and overlays using OpenLayers, enhancing the visualization of geospatial data for specific project requirements.
- Developed dynamic maps that incorporated real-time data feeds, providing users with up-to-date information.
- Tools and Technologies Used:
 - Geospatial Technologies: Geoserver, OpenLayers, QGIS
 - Web Technologies: Angular, HTML, CSS, JavaScript
 - Data Formats: GeoJSON, Shapefile, KML, WMS, WFS
 - Version Control: Git
 - Database Systems: PostgreSQL/PostGIS
 - API Integration: RESTful APIs

Programmer Analyst Trainee - Cognizant

Jan 2022 - Jul 2022

- Was part of a team that developed and maintained responsive web applications using Spring Boot for backend services and Angular for the frontend.
- Conducted thorough testing, including unit testing and end to end testing, to identify and resolve issues promptly.
- Collaborated closely with designers, product managers, and QA engineers to deliver high quality web applications on time and within scope.
- Worked on database design and optimization, utilizing MySQL for data storage and retrieval.
- Tools and Technologies Used:
 - Spring Boot, Angular, TypeScript, HTML, CSS, JavaScript
 - RESTful API design and implementation
 - MySQL, Hibernate
 - Git, Maven
 - Agile/Scrum methodology
 - Docker, Kubernetes

PROJECTS

IoT-Enabled Predicting Wearable for Pandemic

Built a prototype that monitors the health parameters and shows how prone an employee is to Covid-19. The prototype contains the necessary sensors and micro controllers. Machine learning techniques were employed to detect how prone an employee is to Covid-19.

EDUCATION

2018 - 2022 B.Tech Electrical and Electronics Engineering at **VIT Vellore**

PUBLICATIONS

GV, Danush Ranganath et al. (2021). "IoT Enabled Predicting Wearables for the Pandemic". In: *2021 Innovations in Power and Advanced Computing Technologies (i-PACT)*, pp. 1–7. DOI: [10.1109/i-PACT52855.2021.9696507](https://doi.org/10.1109/i-PACT52855.2021.9696507).

SKILLS

Technical Skills

- Programming Languages: Java, Python
- Database Management: MySQL, PostgreSQL
- Front-End Development: Angular, React, Redux, Open Layers
- Back-End Development: Spring Framework, Spring Boot, Hibernate, Microservices
- Web Frameworks: Django Rest Framework
- Containerization: Docker
- Data Structures and Algorithms
- Web Technologies: HTML, CSS
- Geospatial Tools: GeoServer