SATHYAMOORTHY THILAKAR

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Graduate Student at Management Information Systems.

EDUCATION

The University of Illinois at Chicago, Chicago, Illinois — **Aug 2021-Dec 2022**
Master's in management information systems   *CGPA:3.7/4.0*
Related Subjects- Data Mining for Business, Enterprise Application Development, Advanced Database Management, Business Data Visualization, Information System Strategy and Planning

Anna University (Chennai), Tamilnadu, India — **June 2021**
Bachelor of Information Technology   *CGPA: 3.7/4.0*
Related Subjects- *Problem-solving* and Python Programming, Programming in C, Information technology essentials, Digital principles, and system design, Object-oriented programming, Data structures, Database management systems, Design and Analysis of algorithms, Operating systems, Computer architecture, Software engineering, Web technology, Computer networks, big data analytics

SKILL SETS

- **LANGUAGES / TOOLS:** C, C++, Java, Node.js, RStudio, Tableau, Spring Boot, Git, Decision Modeling Notation
- **WEB TECHNOLOGY:** HTML5, CSS, JavaScript, Bootstrap, React.js
- **DATABASE / CLOUD**: MYSQL, AWS, Azure, PostgreSQL, DBeaver
- **MANAGEMENT:** SQL Server Management Studio, Kubernetes, Minikube, Jira, Camunda

EXPERIENCE

Software Developer, JP Morgan Chase & Co., Chicago, USA — **Jan 2023 - Present**
- Built a Toggling Feature capability to store values for a Feature and can control the values through UI in order to reduce code changes for driving application that needs to rely on any Boolean based value
- Developed an automated scheduler to monitor Feature age created to make sure its properly maintained by the users to make sure its cleaned up on regular basis
- Worked with Client Onboarding team to create client cases for more than one Client at a time to either add a new account or add products to the existing account and also enhanced UI to key in user values to reserve accounts based on bank location
- Worked on the framework to modify existing Decision Modeling Notation to drive front-end user actions
- Enhanced Fulfillment UI to help user bulk action on the tasks for completing a case faster for account/product onboarding
- Enhanced Activity framework to track user actions during Fulfilling the case for Client Onboading to make sure the history for a particular subcase actions are captured to audit
- Migrated UI components to a new design systems known as SALT from existing JPM UITK
- Enhanced Admin Console to restrict Functional user ids from making any updates to track user audit

Java Software Engineer Intern, CCC Intelligent Solutions, Chicago, USA — **May 2022- Dec 2022**
- Worked in setting up minikube in Eventing-polling-Application by building a docker Image and configured Postgres in the local DBeaver and tested it by running the API in Postman
- Analyzed security vulnerabilities in different applications by viewing the NexusIQ report and resolved them by either upgrading or downgrading the version of the component by maven release versions
- Designed and developed Logging Framework to dynamically change logging levels to help debug issues/errors using Log4j
- Worked on processing the trip data fragment received to detect if it's a crash by injecting it into the Physics algorithm and writing back into the Kafka topic if it's a crash

Web Developer (Graduate Assistant), UIC College of Medicine, Chicago, USA — **Jan 2022- May 2022**
- Designed, developed, and supported various web applications for the department and its symposium using HTML, CSS, JavaScript, PHP, and MySQL database along with support for both Android and iOS devices
- Worked on both front end and back end as a full stack developer and provided innovative design patterns and architecture solutions to make the website more reliable and scalable
- Adhered to SEO best practices while designing sites

Project Intern –4D Healthware/ Data Analysis Strategy, Chicago, USA — **Aug 2021– Dec 2021**
- 4D Healthware uses connected data for personalized medicine through its patient engagement software
- Understanding the structure of data and identifying issues in patient records for extraction of valuable data
- Performed data visualization techniques using **Tableau** for patient data segmentation
- Leveraged data analysis techniques leveraging **SQL** and **Excel** to establish a robust flowchart to examine improvements in patient conditions
- Implemented strategies to eliminate inconsistencies in patient data to enhance data reporting capabilities

PROJECTS

Restaurant Website: (GitHub)
- Built a website using HTML, CSS, and JavaScript for a restaurant
- The website has multiple pages such as Menu, Certificate, and About
- It is established responsively across all devices

Inventory Management System:
- Created a web application using Java, Node.js, HTML, CSS, and JavaScript for Inventory control by using Apache server and SQL developer as database.
- Application has multiple user roles and can perform various actions including insert, search, update, and delete based on the role and it is scalable

Portfolio: (GitHub)
- Designed a website to showcase my profile leveraging HTML, CSS, and JavaScript

United Airlines Performance Analysis:
- Analyzed various metrics of United Airlines compared to its close competitors and with the industry average using Tableau

Military Bot Surveillance Using Raspberry Pi:
- A face detection algorithm was running to identify enemies by moving the created bot using a remote controller

Case Study Analysis:
- Examined case studies of Harvard Business School by applying Porter's five forces model, Value-chain analysis, Positioning Framework