## **HANI SARAVANAN**

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**TECHNICAL SKILLS**

**Programming:** Java, C++, JavaScript, TypeScript, HTML, PHP, CSS Lisp, Python (beginner), Bash

**Framework:** AngularJS, ReactJS, NodeJS, ExpressJS, MongoDB, Angular Material, Bootstrap, React Query, Shadcn

**Database:** Microsoft SQL Server, SQLite, MySQL, PostgreSQL, MongoDB

**Cloud:** Microsoft Azure, AWS S3

**Big Data Technologies:** Apache Spark, Hadoop, Supervised learning, Clustering and Recommendation Systems

**Others:** Jira,Git, Unix, BashDocker, Tailwind CSS (Frontend Design), Appwrite (BaaS) , .csv .xml .json

**EXPERIENCE**

**Senior Systems Engineer, Infosys Limited, Bangalore, India *May 2020 – August 2022***

* Awarded a certificate of appreciation for outstanding performance and exceptional teamwork skills, ranking #1 in a team of 10 developers on Project communication, problem solving
* Expertly designed and integrated responsive user interfaces using **Angular** with backend systems in **Node.js** and **Express**, delivering full-stack solutions for Infosys clients
* Enhanced application performance by optimizing **MongoDB** schemas and integrating intelligent search with Elasticsearch, resulting in a 35% increase
* Worked directly with five clients to develop custom features, such as an Angular-driven real-time data visualization dashboard, improving decision-making efficiency by 20%
* Managed end-to-end application deployment with a focus on scalability, reliability, and security, and restructured the codebase to cut load times by 9%, boosting efficiency and aligning with enterprise standards

**Web Developer Intern, Infosys Limited, Bangalore, India *September 2019 - April 2020***

* Implemented an end-to-end **MERN stack** application by applying **agile** principles, resulting in a 30% faster project delivery and improved team adaptability
* Bulit web server using Node.js, configured Middleware in Express application and connected to MongoDB Database using Mongoose, improving server response by 28%
* Designed the front-end with ReactJS, utilizing components, state management, hooks, and React Router for dynamic page rendering
* Re-engineered the front-end architecture using ReactJS, which led to a 50% increase in user engagement and contributed to an 11% rise in revenue
* Developed comprehensive test coverage for new ReactJS features, achieving a 40% reduction in customer complaints

**ACADEMIC PROJECTS**

**Concordia University *Montreal, QC***

**PhotoPhoria: Social Media Platform |** [**Project link**](https://github.com/hannaa12/PhotoPhoria---Social-Media) ***2024***

* Developed PhotoPhoria, a social media platform with a focus on enhancing user interaction through post creation and exploration, utilizing including **React.js**, **Appwrite** and **React Query** for a seamless, intuitive user experience
* Achieved a 40% reduction in development time compared to similar projects through efficient utilization of React Query for data management
* Utilized Tailwind CSS for its utility-first design approach and Shadcn for flexible UI components, reducing development overhead by 25% compared to traditional CSS frameworks, resulting in an exceptionally responsive and visually stunning application

**Career Services Application Platform |** [**Project link**](https://github.com/hannaa12/Career-Services-Application-Platform) ***2023***

* Implemented reliable Career Services Platform using **Flask** and **AWS RDS**, with deployment on **AWS EC2** and containerization via **Docker**
* Implemented **RESTful API**, job search functionality, application tracking, and resume management features, ensuring a clear user experience and optimized the job search algorithm enhancing the search efficiency by 16%, and processing over 10,000 job listings
* Leveraged GitHub for version control, **Pytest** for testing, and facilitated CI/CD pipelines, executing over 500 automated test cases and reducing deployment time by 30%

**Concordia Travel Web Application |** [**Project link**](https://github.com/hannaa12/Concordia-Travel-Web-Application) ***2023***

* Developed user-centric travel booking platform with **Spring Boot** and **MySQL**, deployed on Heroku, providing custom itinerary planning and package booking , devops scala, ruby, go, collabotative, collaborative
* Deployed front-end using Angular 16 on Netlify, ensuring an intuitive user experience with **HTML** and **CSS** for responsive design
* Engineered maintainable code in **Java** and **TypeScript**, ensuring reliable backend functionality and seamless data management for travel services, with over 26 interactive components

**Connecticut - Education Directory Management |** [**Project link**](https://github.com/hannaa12/Connecticut---Education-Directory-Management) ***2022***

* Engineered API server using **Spring Boot** to manage Connecticut's educational directory, adhering to Controller-Service-Repository patterns and OOP principles, resulting in the creation of 11 distinct endpoints for efficient data retrieval and management
* Constructed secure, parameterized queries and integration testing with **JUnit 5** and **Spring Boot Tests**
* **Applied Singleton and Factory design patterns and conducted refactoring processes to enhance code maintainability, resulting in a 30% reduction in code complexity and improved readability**

**EDUCATION**

**Concordia University, Montreal, QC *September 2022 - April 2024 (Expected)***

Master in Engineering- Software Engineering

**SRM Institute of Science and Technology, Chennai, India *July 2016 - May 2020***

Bachelor of Technology– Computer Science and Engineering