Sandhya Ananthan

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SKILLS
- **Languages & Frameworks:** Python 3, TypeScript, JavaScript, Java, Spring Boot, Golang, .NET, Junit, C
- **Web Development:** Angular, ReactJs, Node.js, HTML5, CSS, React Native, AngularJs, Bulma, Flask, Android
- **Database Management:** AWS DynamoDB, Oracle SQL, PostgreSQL, MySQL, SQL Server, NoSQL Databases
- **Cloud & Data Processing:** AWS (SES, Lambda, DynamoDB, SQS, EventBridge, Step Functions, Aurora, S3, API, sage maker), Unix/Linux Shell Scripting, Apache Kafka.

EXPERIENCE
Front End Developer Intern | Symphonie, US   May 2023 – May 2024
- Developed 20% of the main company website's front-end using Python Flask 3.0 and Bulma, resulting in a 20% improvement in customer engagement through a modern hamburger menu implementation.
- Engineered backend solutions by writing AWS DynamoDB, Aurora, and Glue queries for ETL transformations, ensuring efficient data processing and management resulting in 60% company growth.
- Implemented 100% of the email verification and password recovery solutions using AWS SES and Lambda functions in an EC2 instance, integrated with AWS SQS and Lambda for efficient message query processing.

Software Developer | Bank of America, India   June 2021 – August 2022
- Mastered technologies such as Java 8, IBM ODM, Spring Batch, and Apache Kafka. Recognized with the Handshake Award for innovation and support, contributing to generating $200k for the project.
- Implemented and managed Oracle ERP, MySQL, and MongoDB databases. Automated and tested 20% of the codebase in Maven, improving build automation efficiency.
- Designed rule architectures and templates, leading the implementation of 10 rule systems. Supported project tasks in JIRA and streamlined CI/CD 30% of all the processes with Jenkins.

Full Stack Development Intern | Hoopers, India   April 2020 – July 2020
- Successfully launched the main and side websites (hoopersgroup.com), focusing on 20% front-end and 60% back-end development using HTML, Bootstrap, PHP, CSS, React, and Angular.
- Enhanced user interactivity by integrating React components, reducing user response time by 30% through Realtime database functionalities with PostgreSQL and Firebase.
- Developed user-friendly interfaces in Bootstrap/CSS, addressing over 30% of user queries and ensuring a seamless browsing experience across devices.

PROJECTS
Climate Change Interactive Board | Vue.js, Oracle SQL, React.js, Node.js, ChakraUI | Climate Change-GitHub
- Developed a Climate Change dashboard in React, Vue.js, SQL, and Oracle API integration, optimizing UX with CSS, Bootstrap, and Chakra UI.

Application of Machine Learning Classifiers to Detect Fraudulent SMSs Secure Chat Application Using AES and RSA | Python, RSA, AES, Cryptography | Secure Chat-GitHub
- Engineered a Fraudulent SMS detection system by applying Machine Learning classifiers within a Secure Chat Application. Leveraged Python 3.1.2 for development, integrating AES and RSA encryption protocols.

Quiz Website | Node.js, Angular.js, React.js, Typescript, Apache Kafka| Quiz Website-GitHub
- Architected and developed a Quiz Website in React and Typescript and Angular, integrating Node.js APIs for content delivery, ensuring a seamless and responsive user experience.

Document Classification | Python, AWS sage maker, AWS lambda, API gateway| Document-Class-GitHub
- Implemented a sci kit learn support vector machine model and deployed onto cloud using AWS sage maker. Developed an AWS lambda service with the API gateway to trigger the sage maker service to return the model.

EDUCATION
Master of Science - Computer Science - University of Florida, USA – GPA: 3.5   Graduated - May 2024
Courses: ML, DBMS, Algorithms, MRE, Computer Vision, CN, AI, System Design

Bachelor of Technology – Computer Science - VIT, India – GPA: 3.7   Graduated - May 2021

CERTIFICATIONS
Meta Full Stack (Front-End/ Back-End) Developer Professional Certificate – Meta
AWS Cloud Technical Essentials – Amazon
Analyze Datasets and Train ML Models using AutoML -DeepLearning.AI