Ashish Sunny Abraham

+1 3527406850 • ashsabraham99@gmail.com • linkedin.com/in/ashish-s-abraham99 • github.com/ashsunabr99 • Portfolio

Education

University of Florida — Gainesville, FL, USA
Master of Science (M.S.); *Major in Computer and Information Sciences; GPA: 3.51/4.0* — Aug 2022 - May 2024
- ***Courses***: Distributed Operating Systems, Information Visualization, Machine Learning, Advanced Data Structures, Analysis of Algorithms, Computer Network Security, Digital Health.

Jawaharlal Nehru Technological University — Hyderabad, TS, India
Bachelor of Technology (B.Tech.); *Major in Computer Science Engineering; GPA: 3.71 (9.1/10.0)* — Aug 2017 - Jul 2021
- ***Courses***: Design Analysis of Algorithms, Data Structures, Database Management, Object-oriented programming, Computer Architecture, Software Engineering, Operating Systems.

Experience

Thomson Reuters — Dallas, TX, USA
Software Engineering Intern — May 2023-Aug 2023
- **Customer Feedback Analysis System**: Developed and implemented a new and sophisticated Customer Feedback Analysis System using C#, AWS, and Microsoft SQL Database, resulting in an **increase** in customer satisfaction ratings.
- **Analysis Dashboard**: **Increased efficiency of feedbacks** by automating the data collection and analysis process through the Customer Feedback Analysis Dashboard using Power BI.

Thomson Reuters — Hyderabad, TS, India
Associate Software Engineer — Aug 2021-Aug 2022
- **Full Stack development**: Collaborated closely with a 7-member US-based team in developing full stack solutions using advanced **Oracle SQL Database** techniques, resulting in faster service delivery and reducing incidents by **6.5 %**.
- **Health Monitoring System**: Constructed and modified alerting and logging monitoring systems utilizing **Datadog** technology with the **tech-ops** team to ensure seamless operation of load balancers and servers, enhancing system performance by **4.35 %** .
- **Software System Update**: Built specialized software for products such as OTW, GST, Excel USIT Workpapers to facilitate global tax operations for corporate clients, impacting over 500 customers worldwide.
- **URL Security Encoding**: Rigorously tested URLs with upgraded security coding to ensure compliance with **W3C standards**, achieving **success rate of 98 %**.

Thomson Reuters — Hyderabad, TS, India
Technology Intern — Nov 2020-Aug 2021
- **Insights into Dev, Testing, and DevOps.**: Attained knowledge of products related to Corporate and Trust Tax technology and explored areas of interest such as development, testing, and Devops.
- **Upgrade UI Performance**: Optimized existing **8 UI components** for enhanced interface performance utilizing technology such as **Node.js and C#**, bolstering the workflow by **5 %**.
- **Product feature Updates**: Wrote and maintained software code for **15 key-product features** according to specified guidelines, raising performance metrics by **20 % on average**.

Projects

- **Maternal Health Risk Prediction Model**: Built a feature selection project which leverages Internet of Medical Things (IoMT) device data for maternal health risk prediction. Through diverse feature selection techniques, a crucial subset of features is identified to improve risk assessment accuracy. Evaluating on machine learning models enhancing predictive performance but also offers insights for optimizing IoMT device design, focusing on cost-effectiveness and simplified healthcare monitoring.
  Skills: Feature Selection · Artificial Intelligence (AI) · Neural Networks · Jupyter Notebook · Python

- **Automatic Summary Generation from Log Data – Log data Visualizer**: Created a information visualization software which allows users to perform exploratory data analysis on textual log data consisting of an analyst's various interactions to better understand their thought process and behavior.
  Skills: Natural Language Processing · React JS · Tableau

- **E − mall space management system offering various web service**: Designed and implemented a virtual space management system, implemented in micro-service architecture where the marketing staff of a mall can book spaces online for sellers using API calls.
  Skills: Java · Spring Boot Framework · React JS · Axios Libraries · MySQL database

- **Sky detection algorithm used in image detection**: Developed a complete implementation of a sky region detection algorithm within a images and videos. Used in autonomous ground robots and horizon detection applications.
  Skills: Image Processing · Python · React JS · Energy Function Optimization

Skills

- **Languages**: Java, C++, Python, C# , .NET, HTML/CSS, React JS, Angular, JavaScript
- **Datbases & Architectures**: Oracle SQL Datbases, PostgreSQL, ,GraphQL, AWS, REST API's, MVC, MERN Stack, Springboot
- **Tools**: VS Code, Docker, Jupyter Notebook, Datadog, Azure, GitHub, Tableau, Power BI, Postman, Microsoft Office
- **Certifications**: Database Design, Python for Data Science and AI, Machine Learning with Python, Create and Manage Cloud Resources - Google Developers Group , Architecture on Amazon Web Services -AWS Training and Certification