

SAYLI NARKHEDE

 saylinarkhede09@gmail.com

 (706) 715 9196

 linkedin.com/in/sayli-narkhede

 github.com/SayliMN

 saylimn.github.io/Portfolio

WORK EXPERIENCE

Software Engineer (*Reuters Technology Group Inc., Full-time*)

2022 - Present

- Develop REST APIs with microservice-based architectures using Python, AWS, and JavaScript
- Recognize and improve code inefficiencies that increase the stability of the services by 25%
- Collaborate with developers to create scalable full-stack applications

Data Analyst – Machine Learning (*CAN Lab, Volunteer*)

2021 - 2022

- Optimized multiple classifiers resulting in a 15% improvement in the research findings
- Co-authored a research publication on ML application in clinical trials: <https://tinyurl.com/sayli001>

Data Analyst – Machine Learning (*CAN Lab, Part-time*)

2019 - 2020

- Designed experimental setups and performed feature selection across 10 ML and statistical tests
- Formed data mining, K-fold cross-validation, and optimization techniques using Python, Scikit-Learn, Numpy, and Pandas resulting in a 20% increase in classification performance

Software Trainee Engineer (*Webian Technologies Pvt. Ltd., Full-time*)

2015 - 2016

- Developed web services using PHP, HTML, CSS, and MySQL resulting in a 90% customer satisfaction rate
- Assisted the development of a Content Management System increasing the company's efficiency by 35%

PROJECTS

Serverless Architecture (*Serverless Framework, Node.js, DynamoDB, Cognito, Lambda, JavaScript*)

2023

- Devised a synchronous communication web flow by creating endpoints for all CRUD operations with AWS services such as Lambda, API Gateway, and DynamoDB provisioned by Serverless Framework
- Incorporated Cognito User Pool Authorizer and IAM policy for an Access Control
- Defined User Acceptance Tests (UAT) with JEST to test serverless REST API

Realtor Clone Website (*React.js, Firebase, Tailwind CSS, HTML5, Swiper.js, Toastify*)

2023

- Developed a user friendly and responsive real estate full-stack web application similar to the realtor website that included listing pages and cards, user profile, offers, sign-in and sign-up pages
- Performed CRUD operations and user authentication in React application using Firebase Firestore database and deployed the application to Vercel
- Optimized user experience across a range of devices and debugged code to ensure cross-browser usability

TECHNICAL PROFICIENCIES

- **Programming Languages and Frameworks:** Python, SQL, JavaScript, Java, Serverless and Amplify Framework
- **Web:** React, HTML5, CSS3, Bootstrap, Flask, Node.js, Tailwind CSS
- **Databases:** MySQL, Amazon DynamoDB, Cloud Firestore
- **AWS Services:** Lambda, API Gateway, DynamoDB, Cognito, EventBridge, SQS, SNS, CloudWatch, Stacks, S3, EC2, CloudFront, WAF, Step Functions, AppSync
- **Data:** Scikit-Learn, Numpy, Pandas, Matplotlib, Plotly, TensorFlow, Keras, OpenCV, NLTK, H2O, Seaborn, Boruta, LightGBM, SciPy
- **Tools:** Tableau, Firebase, MySQL Workbench, Azure Data Studio, PyCharm, Git, GitHub, MS Office, Weka

ACADEMIC QUALIFICATIONS

The University of Georgia, Athens (*Master of Science in Computer Science*)

2018 - 2020

- **Coursework:** Machine Learning, Privacy-Preserving Data Analysis, Cloud Computing, Biomedical Informatics, Database Management Systems, Algorithms