SAYLI NARKHEDE

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https://github.com/SayliMN | https://saylimn.github.io/Portfolio/

WORK EXPERIENCE

Software Engineer *(Reuters Technology Group Inc.)*   **2022 - Present**
- Develop REST APIs for web solutions, resulting in flexibility and customer satisfaction
- Conduct data cleaning, exploration, and feature engineering using Jupyter Notebooks, reducing data processing time by 30%

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 machine learning's application on clinical trials
- *Publication: Narkhede*, S.M., Luther*, L., Raugh*, I.M., Knippenberg*, A.R., Zamani Esfahlani, F., Sayama, H., Cohen, A.S., Kirkpatrick, B., Strauss, G.P. Machine learning identifies digital phenotyping measures most relevant to negative symptoms in psychotic disorders: Implications for clinical trials (Schizophrenia Bulletin)*

Data Analyst – Machine Learning *(CAN Lab, Part-Time)*   **2019 - 2020**
- Designed experimental setups and performed feature selection across 10 ML and statistical tests
- Implemented data mining, K-fold cross-validation, and optimization techniques, resulting in a 15% increase in classification performance

Software Trainee Engineer *(Webian Technologies Pvt. Ltd.)*   **2015 - 2016**
- Developed web solutions using HTML, CSS, PHP, and MySQL, resulting in a 90% customer satisfaction rate
- Assisted in the development of a Content Management System, increasing the company's efficiency by 35%

PROJECTS

Serverless Architecture *(Serverless Framework, Node.js, DynamoDB, Lambda)*   **2023**
- Built 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
- Implemented Cognito User Pool Authorizer and IAM policy for an Access Control
- Wrote User Acceptance Tests (UAT) with JEST to test serverless REST API

Online Store Checkout *(Serverless Framework, Step Functions, SQS, SNS, Lambda)*   **2022**
- Built a use case for a store checkout process and handled errors with retries and saga pattern
- Established connection with DynamoDB tables and Lambda functions to query user and product information
- Implemented Step Functions Callback pattern with SQS and emailed order details to the user with SNS for better user experience

TECHNICAL PROFICIENCIES

- **Languages and Framework**: Python, SQL, JavaScript, Serverless Framework, Amplify Framework
- **Web**: React, HTML5, CSS3, Bootstrap, Flask
- **AWS Services**: Lambda, API Gateway, DynamoDB, Cognito, EventBridge, SQS, SNS, CloudWatch, Stacks, AppSync, S3 Bucket, EC2, CloudFront, WAF, Step Functions, AppSync
- **Tools**: Jupyter Notebook, Vscode, PyCharm, Git, GitHub, MS Office, Weka, Tableau, MySQL, MySQL Workbench, Node.js

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