

SAYLI M NARKHEDE

saylinarkhede09@gmail.com | (706) 715 9196 | [LinkedIn](#) | [Projects Portfolio](#) | Greater Seattle | Open for Relocation

Results-driven Software Engineer with a proven track record in developing REST APIs with microservice-based architectures. Proficient in Python, AWS, SQL, and JavaScript, specializing in efficient data exchange between system components. Skilled at identifying and optimizing code inefficiencies. Collaborative team player experienced in cross-functional collaboration with product manager and designers to create scalable full-stack applications, delivering seamless user experiences. Actively participate in code reviews, providing constructive feedback that consistently improves overall code quality. Passionate and motivated professional dedicated to driving innovation and delivering high-quality solutions in both data and software engineering. Actively seeking new opportunities to leverage my skills and experience in a dynamic environment.

TECHNICAL PROFICIENCIES

Programming Languages and Frameworks: Python, SQL, JavaScript, Java, Serverless, Amplify Framework

Web Technologies: React, HTML5, CSS3, Bootstrap, Node.js, Tailwind CSS, Flask

Databases and Tools: MySQL, Amazon DynamoDB, Cloud Firestore

AWS Services: Lambda, API Gateway, DynamoDB, Cognito, EventBridge, SQS, SNS, CloudWatch, Stacks, S3, EC2, CloudFront, WAF, Step Functions, AppSync, CodePipeline

Data Related Libraries: Scikit-Learn, NumPy, Pandas, Matplotlib, Plotly, TensorFlow, Keras, OpenCV, NLTK, H2O, Seaborn, Boruta, LightGBM, SciPy

Development Tools / IDEs: PyCharm, Visual Studio Code, MySQL Workbench, Eclipse, Tableau, GitHub, MS Office

APIs and Services: RESTful Web Services, Microservices

Version Control and Project Management: Git, Confluence, Jira, Trello, SharePoint, Azure DevOps

EDUCATION AND CERTIFICATION

Master of Science in Computer Science, University of Georgia, Athens, GA **Dec 2020**

Bachelor of Engineering in Computer Technology, University of Mumbai, India **May 2015**

Research Publication: Implications of clinical trials with Machine Learning and Statistics **Mar 2022**

MIT Certification in Machine Learning: From Data to Decisions **Sep 2020**

Data Science Master's Program: GreyAtom, India **Jun 2018**

FREELANCE PROJECTS

- **Realtor Clone Website** - Developed a user-friendly, responsive real estate full-stack web application using React.js, Firebase, Tailwind CSS, HTML5, Swiper.js, and Toastify
- **Leaders Images Classifier** - Built end-to-end images classifier project performing data cleaning, feature engineering, and predictive modeling using Python, OpenCV, Scikit-learn, and front-end technologies
- **Automated Dashboard for Sales Data** - Conducted data analysis, ETL (Extract, Transform, Load), and visualization of the sales insights with interactive dashboards using Tableau, Google Sheets, MySQL Workbench, SQL
- **Serverless Architecture** - Designed and implemented a synchronous event-driven communication web flow and defined User Acceptance Tests (UAT) with Serverless Framework, Node.js, DynamoDB, Cognito, Lambda, JavaScript

PROFESSIONAL EXPERIENCE

Software Engineer | Reuters Technology Group Inc.

Jun 2022 – Present

- Developed REST APIs with microservice-based architectures using Python, AWS, and JavaScript, facilitating efficient data exchange between system components.
- Identified and optimized code inefficiencies, resulting in a 25% increase in service stability and reduced average response time by 15%. Conducted thorough code analysis and performance profiling to identify bottlenecks and implemented targeted optimizations.
- Collaborated with cross-functional teams, including product managers and designers, to create scalable full-stack applications, ensuring seamless user experiences. Actively participated in project planning, providing technical insights, and contributing to architectural decisions.
- Participated in code reviews and provided constructive feedback to peers, resulting in an average increase in code quality. Promoted best practices, code standards, and software engineering principles to enhance overall development quality and efficiency.
- Continuously updated knowledge with the latest technologies, frameworks, and industry trends, actively exploring innovative solutions to enhance system performance, security, and scalability.

Data Analyst – Machine Learning | Clinical Affective Neuroscience (CAN) Lab (Part-time & Volunteer) Dec 2019 - Jun 2022

- Optimized multiple classifiers by fine-tuning hyperparameters, cross-validation techniques and implementing feature selection using 10 machine learning and statistical tests, resulting in a 15% improvement in research findings and increased accuracy, recall, precision, and F1 score of predictive models.
- Designed experimental setups for numerical datasets that improved model accuracy and reduced overfitting. Employed rigorous methodologies and statistical analysis to identify relevant features and cleanse datasets.
- Implemented data mining, cross-validation and optimization techniques, leading to a 20% increase in classification performance on benchmark datasets. Applied cutting-edge data analysis techniques to extract meaningful insights and patterns from complex datasets.
- Collaborated with researchers and faculty members, actively contributing to discussions on research methodologies, data interpretation, and future research directions.
- Kept abreast of the latest advancements in machine learning and data analysis techniques, continuously enhancing skills and exploring innovative approaches to improve research outcomes.

Software Trainee Engineer | Webian Technologies Pvt. Ltd.

Oct 2015 – Feb 2016

- Developed web services using PHP, HTML, CSS, and MySQL, resulting in a customer satisfaction rate and positive client feedback. Contributed to creating dynamic and interactive web applications with seamless user experiences.
- Assisted in developing a Content Management System, streamlining content updates, and improving the company's efficiency. Collaborated with the team to design and implement efficient workflows, enabling faster content publishing and reducing manual effort.
- Actively participated in sprint planning meetings, providing valuable input for feature enhancements and bug fixes. Collaborated with the development team to ensure timely delivery and high-quality software solutions.
- Demonstrated strong problem-solving skills by identifying and resolving issues, contributing to web applications' stability and functionality.