FATIMA ANWAR NEVREKAR

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SKILLS

Programming: Java, Python, TypeScript, JavaScript, Html, CSS, C++
Frameworks: Spring boot, RESTAPI, Angular, Spring MVC
Databases: MySQL, Mogo DB, PostgreSQL, DynamoDB
Amazon Web Services (AWS): IAM, S3, AWS Lambda, API Gateway, Event Bridge, AWS Glue, CloudFormation, AWS CDK, ETL Jobs, AWS Transfer Family, Secret Manager, Amazon Cognito
Technologies: Git (version control), Jenkins (CI/CD), SVN, Docker (containerization)
Tools: JIRA, Eclipse, STS, Robo3T, Visual Studio, Postman/Insomnia, RabbitMQ

WORK EXPERIENCE

IKON TECHNOLOGIES | Software Engineer Intern   TX, US
Technologies: AWS Services, Typescript, Python, PostgreSQL, Terraform   *May 2023 – April 2024*

- Enhanced data platform integration by connecting multiple dealer APIs, improving data integration efficiency by **15%** within the first month.
- Optimized file system usage and reduced data access speeds by **10%** by reorganizing dealer data storage on Amazon S3, making processed data readily accessible through Amazon Athena.
- Developed and deployed **8+** serverless applications using AWS Lambda and AWS CDK in TypeScript, resulting in a **40%** reduction of manual data processing tasks and streamlining job scheduling.
- Leveraged AWS Glue Crawlers for data ingestion from **10+** unique dealer sources, enabling efficient file system management and supporting the execution of **2,000+** data queries monthly through Amazon Athena.
- Orchestrated over **100** data transfers and integrations weekly, employing FTP and SFTP protocols, improving system reliability and data throughput.

BIRLASOFT | Full Stack Developer   PUNE, IN
Technologies: Java, Spring Boot, MySQL, Angular 8, REST APIs, Microservices, MongoDB   *Dec 2018 – Aug 2022*

- Built Vendor Invoicing dashboard to visualize core business Birla soft's (e.g., Monthly invoicing Revenue), saving **10** hours per week of manual reporting work.
- Redesigned the data pipeline architecture for a new product that scaled from 0 to **10,000** daily active users.
- Successfully revamped the project framework using java, spring boot and hibernate, resulting in faster API responses by **35%**.
- Achieved code reduction by **40%** using spring JPA handlers.
- Implemented performance tuning techniques on stored procedures and back-end queries which resulted in **43%**improvement in application performance.
- Engaged in daily code maintenance, to ensure optimal performance and functionality for clients' projects.
- Trained and mentored a team of 4 people on back-end basics and further development.

UNIVERSITY PROJECTS

Plant Health Detection System | Python, Mask R-CNN, TensorFlow   *Oct 2023 - Nov 2023*
- Created a machine learning model to detect plant diseases, achieving **98%** accuracy with CNN.
- Enhanced model with Mask R-CNN for semantic segmentation, pinpointing disease with **89%** accuracy and early diagnosis.

Sky Buddy: Flight Price Detection System | Python, scikit-learn, TensorFlow, Flask   *Feb 2023 - March 2023*
- Developed a machine learning model that improved pricing strategy accuracy by **97%.**
- Integrated insights from airline APIs and third-party data providers to inform model enhancements.

WatchGuard Bot | JavaScript, PHP, HTML/CSS, Infrared Sensor Technology   *Jan 2020 – March 2020*
- Constructed an autonomous surveillance robot featuring infrared and facial recognition technologies.
- Enhanced military threat response times by **30%** through the implementation of a real-time alert system.

EDUCATION

UNIVERSITY OF TEXAS ARLINGTON   TX, US
Master of Science in Computer Science | GPA: 3.8 / 4.0   *Aug2022 - May 2024*
Relevant Coursework: Data Analysis, Software Engineering, Distributed System, Web Data Management, Database System, Software Testing, Data Analysis & Modeling Techs, Python, Computer Networks, Machine Learning.

SAVITRIBAI PHULE PUNE UNIVERSITY   PUNE, IN
Bachelor of Engineering in Computer Engineering | GPA: 9.0 / 10   *Aug 2017 - May 2020*
Courses: Data Structure, Data Mining & Warehouse, Android Application Development, Data Analysis.

ACHIEVEMENTS

Star Performer, outstanding work in Invoicing project, Birla soft.   *Dec 2021*
Won MSBTE State level paper presentation a nationwide case competition out of **500+** participants.   *Sep 2017*
Winner of REX-2017 National Level Project cum Exhibition Competition.   *May 2017*