

# FATIMA ANWAR NEVREKAR

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## SKILLS

**Programming:** Java, Python, TypeScript, JavaScript, Html, CSS, C++

**Frameworks:** Spring boot, RESTAPI, Angular 8, Spring MVC, Hibernate, React, Node.js, Django.

**Databases:** SQL, NoSQL, MySQL, MongoDB, 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

**Web Technologies:** JSON, SOAP, XML

**Technologies:** Git (version control), Jenkins (CI/CD), SVN, Docker (containerization), Kafka

**Testing Technologies:** JUnit, Mockito

**Tools:** JIRA, Eclipse, STS, Robo3T, Visual Studio, Postman/Insomnia, RabbitMQ, Confluence

## WORKEXPERIENCE

### IKON TECHNOLOGIES | Software Engineer Intern

TX, US

May 2023 – May 2024

**Technologies:** AWS Services, Typescript, Python, PostgreSQL

- Streamlined dealer data storage on **Amazon S3**, achieving a 10% reduction in data access speeds and improving file system efficiency, making processed data rapidly accessible via **Amazon Athena**.
- Created and deployed over **8** serverless applications using **AWS Lambda** and **AWS CDK** in TypeScript, resulting in **40%** decrease in manual data processing tasks and streamlining job scheduling.
- Engineered **ETL** pipelines facilitating efficient **data ingestion** and processing from diverse sources, and managed environments to optimize analytics.
- Managed over **100** data transfers and integrations weekly, utilizing **FTP** and **SFTP** protocols, enhancing system reliability and data throughput.

### BIRLASOFT | Software Engineer

PUNE, IN

Sep 2019 – Aug 2022

**Technologies:** Java, Spring Boot, MySQL, Angular 8, REST APIs, Microservices, MongoDB

- Developed scalable REST APIs using **Spring Boot**, **Hibernate**, and **JPA**, enhanced with **Swagger** for clear documentation. Implemented **pagination** to manage data flow efficiently, improving system response times by **35%**.
- Integrated **JWT** and **OAuth** for robust authentication and authorization mechanisms, significantly enhancing security and user session management.
- Configured and optimized **CI/CD** pipelines using **Jenkins**, enhanced with **Docker** containerization, accelerating development and deployment processes, resulting in a **30%** reduction in time-to-market.
- Proficient in full **software development lifecycle**, leveraging **agile** methodologies to enhance project delivery speed by 15%.
- Trained and mentored a team of 4 people on backend development fundamentals and advanced techniques.

## UNIVERSITYPROJECTS

### **Plant Health Detection System** | Python, Mask R-CNN, TensorFlow

Oct 2023 - Nov 2023

- Developed a machine learning model to identify plant diseases, achieving **98%** accuracy with a **Convolutional Neural Network**.
- Improved disease detection precision by **89%** using Mask **R-CNN** for semantic segmentation, enabling early diagnosis and significantly enhancing patient outcomes through precise identification of affected areas.

[GitHub](#)

### **Sky Buddy: Flight Price Detection System** | Python, scikit-learn, TensorFlow, Flask

Feb 2023 - March 2023

- Built a ML model that increased pricing strategy accuracy by **97%**.
- Integrated comprehensive data from airline APIs and third-party providers, refining the prediction model accuracy by 25%, resulting in a **10%** increase in booking efficiency.

[GitHub](#)

### **WatchGuard Bot** | JavaScript, PHP, HTML/CSS, Infrared Sensor Technology

Jan 2020 – March 2020

- Designed and implemented an autonomous surveillance robot incorporating advanced infrared and facial recognition technologies, achieving a **30%** increase in threat detection efficiency and reducing security operational costs by **20%**.
- Improved military threat response times by **30%** through the development of a real-time alert system.

[GitHub](#)

## EDUCATION

### UNIVERSITY OF TEXAS ARLINGTON

TX, US

Master of Science in Computer Science

Aug 2022 - May 2024

### SAVITRIBAI PHULE PUNE UNIVERSITY

PUNE, IN

Bachelor of Engineering in Computer Engineering

Aug 2017 - May 2020

## 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