

# ALEKHYA KALIDINDI

## PROFESSIONAL SUMMARY

Full Stack developer with four years of experience in designing, developing, and optimizing robust software solutions. Proficient in Java and its associated frameworks- Spring and Spring Boot and Python. Strong problem-solving skills and a commitment to delivering clean and maintainable code. Looking to leverage expertise in software development to contribute to innovative projects and drive organizational growth.

## SKILLS

- Programming Languages: Java, Python, C++, Javascript, HTML, CSS, SQL
- Frameworks: Spring, Spring Boot, Apache Hadoop, Storm
- Software: MATLAB, Apache Spark, Pig, Hive
- Cloud Services: Azure, AWS

## WORK HISTORY

### GRADUATE RESEARCH ASSISTANT 03/2023 to 09/2023 Louisiana Tech University

- Conducted comprehensive data preprocessing for NHIS 2021 adult dataset, including data cleaning, handling missing values, feature engineering, resulting in improved data quality, reliability.
- Implemented predictive models on data, forecasting health outcomes for various conditions like diabetes, hypertension, cancer, level of COVID-19 symptoms using socio-economic, lifestyle parameters.
- Evaluated model performance through rigorous validation processes, including accuracy, recall, precision, ROC analysis, ensuring reliability, effectiveness of predictive models.
- Utilized advanced statistical software to analyze large datasets, uncovering key insights for informed decision making.

### SYSTEMS ENGINEER 12/2021 to 02/2023 Tata Consultancy Services

- Designed, developed scalable asynchronous microservices, event-driven architecture using Spring Boot, Couchbase, Kafka, resulting in improved system performance, real-time data processing.
- Contributed to successful deployment of code in OpenShift environment, optimizing delivery pipeline for seamless integration, continuous deployment, enhanced system reliability.
- Established robust unit testing framework for microservices, enabling comprehensive code coverage, ensuring reliability, stability of applications.
- Collaborated within cross-functional Agile teams, participating in story grooming sessions, reviewing story, acceptance criteria, defining performance metrics to ensure alignment of

technical solutions with business objectives.

- Improved system performance by identifying and resolving technical issues in timely manner.

**ASSOCIATE SYSTEMS ENGINEER** 08/2019 to 11/2021

**Tata Consultancy Services**

- Orchestrated Redis data transfer to Cosmos DB, ensuring data consistency, high availability within Azure environment.
- Designed, implemented Azure solution for Real-Time Location Service, enhancing operational efficiency, end-user experience.
- Crafted Py Spark, Java code aligning with architectural standards, industry best practices, ensuring code quality, maintainability, scalability.  
Developed, managed data integration, transformation workflows using Azure Data Factory, streamlining data pipelines, enhancing data quality.
- Leveraged Azure Data bricks for big data processing, architecting efficient data analytics solutions.
- Deployed applications in Azure DevOps, implementing automated build, release pipelines for efficient, error-free deployments.
- Pioneered adoption of CI/CD practices, accelerating development cycles.
- Provided training sessions on new technologies like Py Spark to team members, increasing overall proficiency

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**EDUCATION**

**Louisiana Tech University**, Ruston, LA

**Master Of Science**, Computer Science, 05/2024

**Indian Institute of Information Technology**, Kottayam

**Bachelor of Science**, Computer Science, 05/2019