

AKASH DESHMUKH

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EDUCATION

Aug 2021 - Dec 2022 : State University of New York at Buffalo, Masters in Computer Science, GPA 3.876/4.0

May 2012 - Jun 2016 : National Institute of Technology (NIT) Raipur, India, B.Tech Mechanical, CGPA 8.40/10.0

Relevant Courses : Algorithm Analysis and Design, Data Intensive Computing, Distributed System, Advance Programming Language Concepts, Intro to machine learning, Deep Learning, Natural Language Processing

EXPERIENCE:

Oracle Financial Services Software | APPLICATION DEVELOPER-2 | July 2016 – July 2021 | Bangalore, India

OFS Balance Sheet Planning

- Redesigned the core monolithic OFSBSP application into micro services architecture using **REST** web services
- Solely responsible for developing multiple modules including database design, **high level, and low-level design**
- Modified the architecture of **OFSBSP** application to support multiple BSP application in the same environment
- Optimized **PLSQL** queries which reduced the runtime of the **cash flow generation** process by **60%**
- Developed **java utility** to migrate the cashflow results from RDBMS to Hyperion EPBCS Essbase
- Resolved critical production issues in a strict time frame avoiding budget calculation delay for customers

OFS Analytical Applications Infrastructure

- Actively involved in the **DevOps** streamlining process through **Jenkins CI and CD** Release Automation
- Involved in enhancement task for **cross-browser support, VPAT compliance and Security Fixes (Cross-Site Scripting (XSS), SQL injection)**
- Developed a Framework which is used by **teams across OFSS** to build summary screens for different modules
- Involved in the full life cycle of the application development using **agile methodology**
- Developed **JUnit** test cases for all the developed modules with a coverage of **98%**
- **Mentored** and provided knowledge transfer session to freshers and new joiners

OFS Anti Money Laundering Event Scoring

- Enhanced feature engineering technique which improved the performance metric by **4.2%**
- Analyzed patterns, outliers, and anomalies by performing exploratory data analysis

Online Instructor at Id Tech | Jun 2022 – Aug 2022 | California, US

- Taught **Java, Python and Machine Learning** to students aged 16-18 years old
- Designed **ML curriculum** for the students to provide a comprehensive and intuitive learning experience

PROJECTS

• IMPLEMENTATION OF RAFT CONSENSUS ALGORITHM:

Implemented **Leader Election** and **Safe Log Replication**. Used **Docker** to simulate a distributed environment with 5 node clusters. Tools and Technologies - **Java, Spring, Java Multithreading, Java UDP Socket Prog., Docker**

• DETECTION OF PROPAGANDA TECHNIQUES IN NEWS ARTICLES(NLP) - SEMEVAL 2020 TASK 11:

Two subtasks to be solved which are **Span Identification (SI)** and **Technique Classification (TC)**. Used **BERT-based** model with enhanced **BIOE tagging** technique. Secured **17th place** in SI Task and **20th positions** in TC Task

SKILLS

- **Fundamentals** - Data structure and algorithm, Distributed System, NLP, ML, Deep Learning
- **Languages** - Java, J2EE, JSP, Servlets, Python, SQL, JavaScript, HTML, CSS, Oracle DB, Oracle PLSQL, Linux
- **Framework** - Spring, Spring Boot, Maven, Hibernate, JPA, Junit, JDBC, TensorFlow, Keras, Hugging Face
- **Tools** - Docker, Kubernetes, Git, SVN, Jenkins, Postman, Jupyter Notebook, NLTK, Pandas, NumPy

AWARDS AND CERTIFICATIONS

- **Oracle FSGBU Pacesetter Award FY20 for exceptional performance.**
- **Advance Certifications in AI and Machine Learning** (IIIT Hyderabad) ID NO P181902100

EXTRACURRICULAR-ACTIVITIES

- Sports – Part of Division level Soccer team.
- Cultural Activities – Formed first dance group of our department and performed in the Annual Cultural Fest.