

ISHWARYA HIDKIMATH BASAVARAJ

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WORK EXPERIENCE

Software Development Engineer Xperi former Tivo Tech Pvt Ltd, India **April 2022 – December 2022**

- Worked on developing extractors and transformers in unified data foundry, which is their core product to extract data from source and distribute to various target clients.
- Developed multiple extractors to fetch media data and integrated that with transformers of multiple clients including UDF transformer.
- Worked on multiple micro services like validator, resolver that are part of the entire system.
- Worked on resolving various high priority production issues as well as bugs raised by other teams who are feeding on the data UDF is providing.

Software Engineer Ribbon Communications, India **August 2018 – April 2022**

- Worked on developing as well as testing Element management platform (EMS), web application to manage networking devices, Session Border Controller and Policy service.
- Took ownership in developing the License Management module, their code product billing system.
- Rich experience in Technical Leadership, Project Management as well as providing solutions for various requirements by laying down the most optimal architecture.
- Improved system performance by making proactive adjustments and resolving bugs.
- Proficiency in Continuous Integration and Continuous Deployment (CICD).
- Deep dived and implemented the automation suite to run as a pipeline on Jenkins.
- Analyzing the impact of a bug fix and designing Functional Test Cases and Test Matrices.

EDUCATION

Masters of Science, Computer Science **Jan 2023 - December 2024**

Arizona State University, Arizona, United States (CGPA : 4/4)

Bachelor of Engineering, Computer Science & Engineering **August 2014 - June 2018**

Sapthagiri College of Engineering, Bangalore, India (CGPA : 8.2/10)

SKILLS

Programming Language: Java 8, Python 3, C++, HTML, CSS, Java Script, Node js, SQL, Shell scripting, Groovy

Libraries and frameworks: Spring boot, MVC architecture, Microservices, Rest API, React

Databases: PostgreSQL, MongoDB, MySQL

Application, Tools and Operating System: Jenkins, Maven, Postman, AWS, Open Stack, Kubernetes, Docker, GIT, kafka, Selenium, Mongo compass, IntelliJ, Eclipse, Pycharm, Visual studio, Unix, Grafana, Tomcat, Agile development, Mockito

Data science subjects: Data Mining, Machine Learning, Knowledge Representation and Reasoning, Semantic Web Mining, Data Processing at Scale, Natural Language Processing, Big Data

Other Skills: Data Structures, Algorithms, Security software development, Distributed and parallel systems.

PROJECTS

Earthquake Detection using Deep Neural networks **Jan 2023 – May 2023**

- Developed modified inception time model and improved overall accuracy from 75% to 83% and compared it with multiple models like CNN, LSTM, Resnet, inception time etc., STEAD data set has been used for the experiment.

Movie genre predictor based in plot summary using Machine Learning **Jan 2023 – May 2023**

- Experimented with both Machine Learning and Deep Learning models for the classification. Have found that Bi-LSTM outperformed all the models to give the best precision, recall and F1-score.

Metadata extraction in unified data foundry **April 2022 – December 2022**

- A micro service that extracts various fields from the raw or the source provider and performs operations on it. Transforms the processed data to various clients on the other end according to their catalog. Raw data here refers to all types of media data i.e. Movies, Sports, Series, Episode and others.

License Management in EMS **June 2020 – November 2021**

- Responsible for the entire migration of the billing system from monolithic architecture to micro services architecture. Handled feature for the accountability of license usage in call data record and charging for different calls established was another main aspect of the feature.

Query Processing in Web Search Engines **December 2017 – June 2018**

- A project to improve the efficiency of search engines by allocating time slots to users with comparison with other search engines. Focus mainly on small scale areas having ~1000 records at a time