Renuka Srishti

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EDUCATION

Indiana University Bloomington, *Indiana (United States)*   **Dec 2022**
Master of Science in Computer Science (3.83/4.0)
Relevant coursework - Applied Algorithms, Cloud Computing, Software Engineering, Applied Distributed Systems, Advanced Operating Systems.

Oriental College of Technology, *Bhopal (India)*   **June 2015**
Bachelor of Engineering, Computer Science & Engineering (7.94/10)

WORK EXPERIENCE

Associate Instructor | Indiana University Bloomington, Indiana   **Jan 2021 – Present**
Intro Artificial Intelligence | Advance Data Science On-Ramp
- Designed & graded quizzes and assignments.
- Mentored students on their final project.

Module Lead | Persistent Systems   **June 2018 – Dec 2020**
- Developed APIs & pipelines to aggregate data from multiple sources for Enterprise Data Lake using Apache Hadoop.
- Developed an Automation tool to convert & migrate 80,000 Cognos reports to the client's In-house reporting tool.
- Designed and Developed a POC for an organization-wide automated conversion of EDL to cloud data lake.
- Implemented java services for query optimization to improve Elasticsearch search relevance score from 80% to 92%.
- Received Bravo Award for the development of APIs for data ingestion into Enterprise Data Lake.

Enterprise Senior Software Engineer | HotWax Systems   **Oct 2015 – May 2018**
- Developed Apache Solr's features such as schema design, relevance searching, faceting, highlighting, suggester, spell checking, tokenizers, Analytic component for an enterprise web application.
- Implemented various Apache OFBiz processes such as multiple shipments, placing an order, creating customers with specific roles, inventory, and procurement management.
- Implemented SolrCloud using an external zookeeper ensemble for distributed indexing.
- Developed a User-Based and Item-Based Collaborative filtering Recommender system along with a user interface and wrote APIs to integrate them with E-Commerce Solutions.
- Successfully led a team of 5 members which involved working on all phases of the software development cycle from requirement gathering analysis to delivery of the project.

PROJECTS

MePhy Health: https://iub-wellness-tracker.netlify.app/   **Aug 2021 – Dec 2021**
- One-stop shop for all fitness and wellness needs. The system allows professionals to upload content that can range from physically intensive workout plans, home workouts to dietitians who can provide personalized meal plans. It lets users enroll in plans, input their daily activities to retrospect how healthy their lifestyles are, and get recommendations. It also allows users to chat with professionals or other users.
  Technologies: Vue.js, Spring boot, Java, and PostgreSQL.

Cloud based Search Engine   **Aug 2021 – Dec 2021**
- Developed a web text-based search engine with functionalities to upload files for searching to trigger Google Cloud Functions to update its inverted indexing of text corpus. The results are evaluated and ranked using tf-idf.
  Technologies: GCP, Pub/Sub, S3 Bucket, Cloud Functions, Spring boot, Java.

GameMaker   **May 2021 – Aug 2021**
- Developed a game maker which can help design games like arkanoid, flappy bird, pacman etc.
  Technologies: Java, Swing.

TECHNICAL SKILLS
- **Programming Languages:** Java, Python, C, C++.
- **Databases:** MySQL, Oracle, MS SQL Server, MongoDB, PostgreSQL.
- **Web Frameworks:** Spring, Angular, Vue.js.
- **ERP Framework:** Apache OFBiz.
- **Tools:** Talend, Apache Spark, Apache Hadoop, Apache ZooKeeper, Apache SolrCloud.
- **Search Engine Technologies:** Apache Solr, Elasticsearch.