

SKILLS

Java, J2EE, Python, SQL, Oracle DB, Oracle IAM, Oracle WebLogic, HTML/CSS, JavaScript, Java Spring, Hibernate, Flask, TensorFlow, Keras, Spacy, OpenCV

EDUCATION

University at Buffalo, State University of New York (Aug. 2108- Present)

Master's Degree in Computer Science and Engineering GPA – 3.67 / 4.0

Dr. Babasaheb Ambedkar Technological University, Lonere, India (July 2012 – June 2016)

Bachelor's Degree in Computer Engineering, GPA – 8.85 / 10

RESEARCH

Graduate Research Project, Department of Computer Science and Engineering, SUNY, Buffalo

- Identifying how often social media content is inspired by events covered in cable news using text alignment algorithms & machine learning techniques. Extracting & cleaning raw data collected from HTML transcripts with BeautifulSoup.
- Leveraging twitter data to discover link between news coverage and tweets that talks about event by building search query models and text classifiers. Improving performance & modifying existing text alignment algorithm.

EXPERIENCE

Master's Project Development

ACV Auctions, Buffalo, New York (Jan. 2019 - Present)

- Developing an image classifier to recognize objects from a set of photos using OpenCV and deep neural networks.
- Building a tool to extract text from objects using tesseract and preprocessing textual data for diagnostic assessment.
- Developing RESTful web service for enabling data to be stored persistently and integrating it with mobile devices.
- Deploying and maintaining scalable web services using AWS services such as S3, API gateway and AWS lambda.

SOFTWARE ENGINEER

Persistent Systems Ltd. Pune, India (Sept. 2016 – May 2018)

- Developed and implemented Identity and Access management solution using Oracle IAM product suite.
- Designed & developed scalable RESTful Web Services on top of the IAM products using Jersey framework.
- Built custom authentication plugins in Java for Oracle Access Management tool which adds an extra layer of security over standard security procedure. Log Analysis, Maintaining documents of production server error log's reports.
- Developed customized reconciliation Java connector which pulls data from target source to Oracle Identity Manager to maintain the entity data in consistent state.
- Performed unit testing with JUNIT and resolved 100+ critical bugs including reconstructing RESTful middleware structure to improve performance. Improved the query response time of APIs by 15% by enabling caching mechanism.
- Designed and developed database schema, views structure and stored procedures for IAM applications.
- Implemented gathering of functional requirements and formulated technical specifications.
- Performed Identity & access management activities; updated existing provisioning and access management workflows.
- Automated continuous integration and continuous deployment process with Jenkins administered source code control systems such as Subversion (SVN) & GIT.

SOFTWARE DEVELOPER – INTERNSHIP

Naninfo Systems Pune, India (Dec. 2015 – April 2016)

- Developed web-based application for encrypted data store using JSP, Servlets, HTML/CSS and MySQL database.
- Developed prototype capable of providing concurrent and distributed access service to encrypted database.
- Built Inventory management desktop application using Java Swing and MySQL database to keep track, manage and organize product sales, material purchases and other production processes.
- Designed database tables, stored procedures and optimized query performance by restructuring SQL queries.

PROJECTS

Handwriting pattern recognition (Python, TensorFlow, Keras)

- Developed machine learning based handwriting recognition tool for classifying text documents.
- Used traditional approach to construct classifier by extracting language dependent features.

Publisher-Subscriber Centralized / Distributed Application (Flask, HTML/CSS, JavaScript, Docker)

- Developed Pub/ Sub web application to disseminates events to multiple recipients through an intermediary node.
- Emulated a pub/sub system using the lite weight virtualization or container technology in Docker.

Learning to rank for document retrieval (Python, TensorFlow, Keras)

- Addressed problems in document retrieval, definition search & anti-web spam using LeToR techniques.