

ANIKET GIRIYALKAR

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OBJECTIVE

Seeking Software Development full time opportunities. Available - May 2020

TECHNICAL SKILLS

Languages:	Python, Java, R, C
Tools/Technologies:	Pandas, Jira, Tableau, Git, Rattle, Weka, Apache Tomcat, Octave, R Studio, Pentaho, Workbench, Amazon Web Services (Lambda, S3, API Gateway), VMware, SAS, Google Cloud Platform
Database Systems:	MySQL, MongoDB, Microsoft SQL Server, Amazon DynamoDB, H2Database
Web Technologies:	React, Redux, HTML, Node CSS, JavaScript, PHP, RESTful API

WORK EXPERIENCE

Rochester Regional Health, Rochester, New York **June 2019 - December 2019**

Software Engineering Co-op

- Worked on the development of an application for scheduling and floating of nurses. Developed reusable components using React and Redux to enhance the user experience.
- Responsible for adding new features to the existing application which is currently being used by four hospitals in the Rochester region. Created data reports and visualizations for the hospital representatives to analyze different insights
- Technologies: React, Redux, AWS DynamoDB, AWS Lambda, NodeJS, R, Python, Tableau

Bhabha Atomic Research Centre, Mumbai, India

October 2015 - March 2016

Project Trainee

- Developed a location-based information system and acquired practical training in the Computer Division.
- This information system consisted of an Android application to dynamically report any traffic information and a Central Web Server to share it with other registered users.
- Technologies: Java, HTML, CSS, PHP, JavaScript, Android Studio, SQL

EDUCATION

Rochester Institute of Technology, New York

August 2017 - May 2020

Master of Science (MS) in Computer Science, GPA: 3.72/ 4.0

Relevant Coursework: Data Management and Analytics, Artificial Intelligence, Algorithms, Computer Networks, Visual Analytics.

Mumbai University, India

August 2012 - May 2016

Bachelor of Engineering (BE) in Information Technology (Graduated 2016) GPA: 7.5/10

Relevant Coursework: Intelligent Systems, Data Mining and Business Intelligence, Cloud Computing

CERTIFICATION

Rochester Institute of Technology, New York

August 2017 - December 2019

Advanced Big Data Analytics, Master of Science

Relevant Coursework: *Big Data Analytics, Data Cleaning and Preparation, Database Systems Implementation, Data Warehousing.*

PROJECTS

PRODUCT COMPANY DATAWAREHOUSE | MySQL, Pentaho, Microsoft SQL Server

Designed a data warehouse and performed cleaning and transformations in Pentaho to apply business logic for the Product Company. Generated reports on different slices and dices to determine the efficiency of OLAP process and physical dimensions. Automated the whole ETL process and documented complex business rules vital for data transformation.

WIKIPEDIA LANGUAGE CLASSIFICATION | Pandas, Decision Trees

Collected random articles from Wikipedia in English and Dutch languages and trained decision trees/ stumps using Decision Tree/ Adaboost algorithms and a set of features to classify text as one of the two languages. Accuracy of 96% was obtained on Decision Trees and about 98% accuracy was achieved while using boosted decision stumps.

ORIENTEERING | Python

Generated optimal paths for different types of orienteering events for a given map with terrain information, elevation contours, and sequence of locations to visit. Used the A* algorithm for the computation. For a given set of controls, algorithm calculated the time taken to be 19 minutes which was close to the time it took me physically to cover the same set of controls at Mendon's Ponds Park (Rochester, NY).

GPS DATA VISUALIZATION AND CONVEX OPTIMIZATION | KML, Pandas

Created a program that converts GPS data into a KML file. Performed pre-processing on the given data and located the stop signs and left-hand turns in the data using temporal sequential analysis. Successfully predicted the optimal route using a cost function from a set of given routes.