

Harihar Samant

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SOFTWARE ENGINEER

Agile SDLC ■ Full-stack Development ■ Machine Learning

EDUCATION

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA

May 2018

Master's in Information Systems Management

Global Track, 21 month program. 1st yr in Adelaide, South Australia; 2nd yr in Pittsburgh, PA.

Courses: distributed systems, data science, disruptive technologies, Java, advanced database management, NoSQL, data mining.

Carnegie Mellon University MISIM Program Scholarship.

MIT- COLLEGE OF ENGINEERING, UNIVERSITY OF PUNE, India

May 2015

Bachelor of Engineering in Information Technology

Courses: software engineering, data structures and algorithms, human-computer interaction, information retrieval.

SKILLS AND TECHNOLOGIES

Programming Languages and Software: Java, Python, ReactJs, SQL, SAS, HTML5, JSP, RESTful & SOAP APIs, Kafka, Hadoop, SQL Server, MySQL, Oracle 11g, DB2, PostgreSQL, Redis, MongoDB, Cassandra, Heroku, AWS, GCP, Android.

Machine Learning: regression, clustering, classification, feature engineering, NLP, neural networks, deep learning, reinforcement learning, naive bayes, bag of words, TD-IDF, SVM.

RECENT WORK EXPERIENCE

Blume Global: Software Engineer, Pleasanton, CA

Jan. 2019 – Present

- Back-end architecture and hands-on development of automated carrier selection and ocean booking applications using spring boot, Kafka, google cloud platform and JSON – REST API's.
- Front-end development of selecting carrier in ocean booking using ReactJs.
- Improved existing API services to have idempotency by developing efficient algorithms and improved latency.
- Worked with the Product & UI/UX team to gather requirement for Blume Global Dispatch Manager and Shipment Visibility.
- Improved the database query runtime for matching claims with user using database indexing.

Primer AI: Solutions Architecture Intern, San Francisco, CA

Jul. 2018 – Nov. 2018

- Assist product and machine learning teams to improve performance of new features and algorithms. Scope and deploy Primer's suite of NLP/NLG solutions for customers using Docker, Kubernetes and AWS. Developed a slackbot to automate the process of submitting booleans to dev and prod, saving 4 manhours per week.

ACADEMIC PROJECTS

Naive Bayes Classification of Income Data

Apr. 2018

- *Goal:* Predict whether a person earns over \$50k per year based on values of 14 features of continuous and discrete attributes extracted from 1994 Census Income Data Set. Implemented naive bayes classifier in Python with maximum likelihood estimator, partial log likelihood on dataset of 32561 instances, each representing individual person.
- *Result:* achieved classification accuracy of 84.7%.

Object Oriented Analysis & Design of Adelaide Apartments Property Management

Jan. 2017 – Mar. 2017

- Created rental property management system based on client requirements using Java and UML. Built and tested application covering stages of Agile software development life-cycle including requirements gathering, specifications, and UAT.

Blockchain Using Java, JSP Servlets, NetBeans

Oct. 2017 – Nov. 2017

- Developed stand-alone blockchain and remote clients that interact with blockchain API simulating thousands of real-world billion-dollar bitcoin transactions. Used digital signatures to authenticate messages and web services to enhance interoperability.

Location Information Tracker - Cloud Deployed Web Service

Nov. 2017

- Built location tracker Android application that interacts with deployed web service. Implemented REST web service that tracks location information using Zomato API and deployed on Heroku Cloud. Used MongoDB to store logs of request and response sessions. Uncovered useful trends by applying analytics to data.

Quiz Creation and Assessment System

Sep. 2016 – Nov. 2016

- Created quizzing application that will help instructor generate quizzes/exams, analyse results, and infer statistics and class performance. Developed application with user dashboards, assessment reports and question import/export features using Java, SQL, GitHub.