

AVINASH BHOJWANI

+1 (480)-937-7523 • abbhojwa@asu.edu • [linkedin.com/in/avinashbhojwani11](https://www.linkedin.com/in/avinashbhojwani11) • <https://avinashbhojwani.com>

SKILLS

Languages: Java, Python, NodeJS.

Database Systems: MySQL, MariaDB, Cassandra.

Web Technologies: JavaScript, HTML5, CSS3

Working Platforms: AWS, Github, Docker

Frameworks: React, Hadoop, Spark.

OS: Linux, Windows.

EDUCATION

Master of Science, Computer Science

Graduating May 2021

- **Institute:** Arizona State University, Arizona (USA).

GPA: (3.78/4.0)

- **Courses:** NLP methods for Biomed Text Mining, Statistical Machine Learning, Intro to Artificial Intelligence.

Bachelor of Engineering, Computer Engineering

Aug 2013 – May 2017

- **Institute:** Government Engineering College, Gandhinagar (India).

GPA: (8.73/10.0)

PROFESSIONAL BACKGROUND

Software Engineer, Byte Prophecy (India)

May 2017 – Jul 2019

- Designed Sherlock, a question answering system, based on analytics which provides the visibility of raw data to the business users using pivots and charts.
- Designed Monitor First for visualizing KPI's based on the data generated from the ETL using React which helps in keeping track of the insights, providing automated insights and provide user-defined alerts.
- Developed Pharma Control Tower for pharmaceutical companies which generates the schedule to manufacture batches based on the parameters defined and provides live tracking of the manufacturing process.

Intern, Byte Prophecy (India)

Aug 2016 – Apr 2017

- Developed an automated job which fetched 13 files from FTP server of finance client, performed ETL using Talend on the files and store the denormalized result in MariaDB tables.
- Developed dashboard and reports on top of the denormalized table using vanilla JavaScript and JQuery.

PROJECTS

Finding articles given patient cancer spec (Arizona State University)

Aug 2019 – Dec 2019

- **Description:** Designed a model to retrieve medical documents related to the patient information. The patient information included disease, gene and demographic information of the patient. Made use of the bert model, pre trained on the pubmed articles (bio-bert) and then fine tuned the pre trained weights of the model with the gold standard that was provided.
- **Technologies:** Python, Keras, Deep Learning, BERT

Traffic Flow Prediction considering Shocks (Arizona State University)

Aug 2019 – Dec 2019

- **Description:** Designed a model to predict the traffic flow for 1 week on England's Highway Traffic Data using the data available. The model also took into the account external factors that affect traffic such as weather.
- **Technologies:** Python, Keras, Deep Learning, LSTM

ASK – Business Analytics Assistant Bot (Byte Prophecy, India)

Aug 2016 – Apr 2017

- **Description:** The following chatter bot focuses on Natural Language Processing of questions and generating output such as bar, pie and bubble charts, tables based on the questions asked. Made the parser generic so that questions can be asked on any domain's database, user just needs to select the database provided.
- **Technologies:** Java, Stanford NLP, JFlex, Cup parser.
- **Database:** MySQL

ACHIEVEMENTS & CERTIFICATIONS

- 2nd place, Big data-Hadoop Workshop conducted by Finland Labs in association with IIT-Roorkee.
- 3rd place, Parallel Programming event at college Techfest.