Avinash **Bhojwani**

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Skills

Languages:	Java, Python, NodeJS, GoLang
Working Platforms:	AWS (EC2, S3, Redshift), Github, Docker, Postman
Frameworks:	Hadoop, Spark, Kafka, Airflow.
Database Systems:	MySQL, MariaDB, Cassandra.
Web Technologies:	JavaScript, HTML5, CSS3, React, Redux, Webpack, WebSockets, D3, Vega, Vega-Lite
OS:	Linux, Windows.

Education

Master of Science in Computer Science *Tempe, USA*
ARIZONA STATE UNIVERSITY *Aug 2019 - Present*

Bachelor of Engineering in Computer Engineering *Gandhinagar, India*
GUJARAT TECHNOLOGICAL UNIVERSITY *Aug 2013 - May 2017*

Work Experience

Factly *Tempe, USA*
SOFTWARE ENGINEER *May 2020 - Aug 2020*
- Leading an open-source platform for creating visualizations with the ability to customize chart effortlessly with up to 10 different types of customization.
- Users also have a provision to publish the customized chart publicly or within the organization.

Byteprophecy *Ahmedabad, India*
SOFTWARE ENGINEER *Jun 2017 - Jul 2019*
- Led the team which designed Sherlock within a 1-week deadline, a question answering system, based on analytics which provides the visibility of raw data to the business users.
- Managed and redesigned Monitor First for visualizing KPI's which helps in keeping track of the insights, providing automated insights with over 90% of code coverage.
- Conceptualized safety stock simulation which calculates safety stock based on the lead time and lead time variance of the stock within 1s response time.
- Devised a script for building react apps that built the apps if they're modified. It supported building 5 apps concurrently making the deployment process 5x faster.

Byteprophecy *Ahmedabad, India*
SOFTWARE ENGINEER INTERN *Aug 2016 - May 2017*
- Developed an automated job which fetched 13 files from FTP server of finance client, revamped the ETL job using Talend which executed 3x faster and store the denormalized result in MariaDB tables.
- Built dashboard and reports on top of the denormalized table using vanilla JavaScript, JQuery, and NodeJS while maintaining and developing client relationship.

Projects

Youtube Player
- Description: Designed an application where upto 20 users can watch youtube videos together. Users can create a room and invite other users to join the room. The admin user has the authority to play/pause the video.
  Implemented search functionality to search for particular youtube video.
- Technologies: React, Redux, Youtube API

Finding articles given patient cancer spec
- Description: Developed a model to retrieve medical documents from 27M documents related to the patient information. The patient information included disease, gene, and demographic information of the patient.
  Made use of the bio-bert model and then fine-tuned the pre-trained weights of the model with the gold standard.
- Technologies: Python, Keras, Deep Learning, BERT

ASK – Business Analytics Assistant Bot
- Description: The following chatterbot focuses on Natural Language Processing of questions and visualizing the output based on the questions asked.
  Made the parser generic so that questions could be asked on any domain, with a sample of 3 databases for the user to select.
- Technologies: Java, JFlex, Cup parser
- Database: MySQL