

Shail Desai

Work experience

JANUARY 2024 – CURRENT

Berkshire Hathaway Energy

Software Engineer

- Currently work at Berkshire Hathaway Energy as a software engineer
- Use IBM Maximo to monitor and manage assets across the country
- Create weekly diagnostic sheets compiling energy production for all of Berkshire Hathaway Energy subsidiaries
- Routinely diagnose and correct issues with substations

MAY 2022 – JULY 2023

Amazon

Software Engineer

- Created and managed APIs for the Machine Learning and Artificial Intelligence teams regarding the acquisition and classification of data
- Acquired and processed obfuscated personal data to detect 'bad actors' (those who have taken over an account) and other threats to user security
- Deployed an inter-region platform that analyzed thousands of data points in order to identify 'bad actors' through multiple device inputs

AUGUST 2021 – MAY 2022

Intel Corporation

Software Engineer

- Used Splunk to create alarms and manage user retention for an internal service
- Created an API to analyze course completion logs for Jupyter Notebooks and output them to a third party service for tracking
- Used AWS to create an authentication service for a proprietary product in order to move functionality to the cloud

MAY 2020 – AUGUST 2020

Amazon

Software Engineer Intern

- Moved essential systems from AWS DynamoDB to AWS Cloudsearch
- Created and tested Java APIs for multiple listing, sorting, filtering, and pagination tasks
- Developed and presented a plan for expansion, scaling of internal APIs and a full shift to CloudSearch for business needs
- Worked with numerous AWS tools including S3, DynamoDB, CloudSearch, API Gateway, and CloudWatch

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 US Citizen, no sponsorship required

Education

2017 – 2021

Computer Science

BACHELOR OF SCIENCE

UIUC, College of Engineering

2013 – 2017

Student

HIGH SCHOOL DIPLOMA

Sunset High School, Oregon

Software skills

GOOD LEVEL

Java, C++, Python, AWS
(Amazon Web Services)

INTERMEDIATE

C, C#, Vim, Git

BASIC LEVEL

JavaScript, HTML, Android
Studio, SQL

Software Projects

- Statistic Based Wordle Solver
 - A Python based Wordle solver that suggests words and systematically narrows the word bank until a final word is chosen via regex matching and statistical likelihoods based on letter occurrence
- Naive Bayes Classifier
 - A classifier developed in Python that uses a Naive Bayes methodology to train itself on Sarcastic vs Non-Sarcastic tweets using a training set and applies it to a testing set
- Reading Tracking App
 - An application developed as a group that is a customizable reading tracker for any assignment or reading. I developed the backend using Python and AWS APIs, while my team worked on a front-end coded in Angular.