

Heet Dave

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EDUCATION

M.S. in Computer Science

Aug. 2019 - Exp. May 2021

ARIZONA STATE UNIVERSITY, USA

- **Coursework:** Intro to AI, Principles of Programming Languages, Mobile Computing

B.Tech in Information and Communication Technology

Aug. 2014 - May 2018

DHIRUBHAI AMBANI INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY

(DA-IICT), INDIA

CGPA: 7.06/10

- **Coursework:** Information Retrieval, System and Network Security, Neural Network, HCI, IoT

TECHNICAL SKILLS

Languages C++, Java, Python, Javascript, C, C#

Web ReactJS, Redux, AJAX, Java SpringBoot, ASP.NET WebAPI, AWS S3 & EC2, HTML, CSS

Databases MSSQL, MySQL, PostgreSQL

DevOps Tools Jenkins, Docker

Other Tools Git, JIRA

PROFESSIONAL EXPERIENCE

Endurance International Group, Bangalore, India

Dec. 2018 - Jul. 2019

SOFTWARE ENGINEER

- Developed front-end of Manual Billing Engine using Javascript/ReactJS/Redux for 13K+ WebPros and Resellers of WebPro Panel (ResellerClub.com) to provide better user experience by eliminating need for 3rd party billing tool.
- Integrated a newer set of APIs related to customers and orders with WebPro Panel front-end (Javascript/ReactJS) and Orchestration Layer (Java SpringBoot) which reduced loading time of the panel.
- Researched about Docker Secrets, HTTP/2 server push and Material-UI for future performance enhancements.

Fintech Global Center, Gandhinagar, India

May. 2018 - Dec. 2018

SOFTWARE ENGINEER

- Engineered administrative web applications using ASP.NET WebAPI, Javascript/jQuery and MSSQL to view/filter/export trading data, manage users/access and software distribution for the new trading platform targeted for financial institutions of Asia.
- Setup Continuous Integration (CI) using Jenkins for the majority of projects which streamlined the deployment process increasing the efficiency of DevOps.
- Researched Docker and Dockerized web application for future setup of Continuous Deployment (CD).
- Created SFTP (SSH File Transfer Protocol) client using C++ to send trading data securely to the client's server.

Indian Space Research Organisation (ISRO), Ahmedabad, India

Jan. 2018 - May. 2018

INTERN

- Automated SRS document checking process by developing Natural Language Processing and Neural Network (NN) based tool using Python and NLTK library.
- Used probabilistic N-gram language model and Part-of-Speech tagging to generate input features for NN. Trained NN using the Backpropagation algorithm.

PROJECTS

Compiler, ASU

Aug. 2019 - Present

- Created a compiler to detect syntactic and semantic errors in input program and execute it upon successful compilation.

Pathfinding in Pacman game, ASU

Sep. 2019

- Implemented path-finding algorithms such as A* search and Uniform cost search to get Pacman agent to goal in a maze.

Easy Website (Independent project) [github.com/rangheet/easy-website]

Feb. 2019 - Apr. 2019

- Designed and implemented web application for creating portfolios which also has facility to host them as your own website.
- Developed front-end using Javascript, ReactJS, Redux, Redux-Saga and Material-UI. Back-end was developed using Java Spring-Boot. Used MySQL to store website and user data.

News articles classifier, DA-IICT

Apr. 2017

- Made Naive Bayes classifier to categorize news articles using Python, NLTK library and various NLP techniques achieving 0.78 F1 Score.

Election Database Management System, DA-IICT

Aug. 2016 - Nov. 2016

- Designed and created database using PostgreSQL for election considering entities like voters, candidates, constituencies, political parties. Created queries and stored procedures to manipulate and view data and different kinds of relations between entities.