

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:** Data Structures, Algorithms, Databases Management Systems, OOP, Computer Networks, Information Retrieval, Operating System, Systems Software, System and Network Security, Software Engineering, Neural Network, HCI, IoT

TECHNICAL SKILLS

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

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

Technologies Jenkins, Docker, MSSQL, MySQL, 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.

Dhirubhai Ambani Institute of Information and Communication Technology, India

May 2017 - July 2017

RESEARCH INTERN

- Built file sharing Android application for P2P network considering the scenario where the network is unstable and file size is too large.
- Leveraged Hashmap and Binary string to eliminate re-transferring of whole file in case of connection drop by storing file chunks.

PROJECTS

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.

Alzheimer disease detector, DA-IICT

June 2016

- Developed Neural Network based classifier given MRI images dataset to detect Alzheimer's Disease achieving 70% accuracy

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.

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.