RIDHAM DAVE

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EDUCATION

Vishwakarma Government Engineering College, Ahmedabad *July 2016 - Aug 2020*
Bachelor of Engineering, Computer. CGPA: 9.31
University of Waterloo, Waterloo, Canada *September 2021 - Present*
Master of Electrical and Computer Engineering

CAREER OBJECTIVE

Highly analytical individual with strong interpersonal and leadership skills. Coming with solid mathematics background, programming skills, and ability to clearly communicate complex and technical information.

WORK EXPERIENCE

OneForce Inc, Bellevue, Washington September 2021 - Present
Senior Data Scientist *Part time Consulting*

· Worked on creating smart automated data integration pipelines using AWS and Google Apps Script.
· Developed modules for integrating multiple data sources in the Model of the World in Graph Databases.

Axiom IO, Ahmedabad October 2020 - August 2021
Senior Data Scientist

· Developed serverless applications for R&D prototyping and analysis on AWS.
· Worked on Website Clusterisation and Website Categorization using Machine Learning algorithms.

Pirimid Fintech LLP, Ahmedabad July 2020 - September 2020
Machine Learning Engineering Intern

· Extracted data from the research reports published on the stock from a financial institution.
· Deployed object detection and OCR pipeline in order to get the data from PDFs.

Tata Consultancy Services Limited, Ahmedabad Dec 2019 - June 2020
Developer Intern

· Worked on configuring and implementing a system that enables the global administrator to create any business rule within any process or workflow of the organization with a Rule Engine.

Synoptek Pvt. Ltd., Ahmedabad Jun 2018 - Jul 2018
Data Scientist Intern

· Created classification models for e-commerce websites using neural networks.

Indusa Pvt. Ltd., Ahmedabad Jan 2018 - Feb 2018
Android Developer Intern

· Worked for an enhanced data storage android application enabling customized profile options.
· Worked on the cloud architecture for data warehousing and storage.

Indusa Pvt. Ltd., Ahmedabad Jun 2017 - Jul 2017
Mobile App Development Intern

· Worked on developing applicationsusing on the Xamarin Framework.

RESEARCH PROFILE

SDN-based real-time urban traffic analysis in VANET environment, Computer Communications, Volume 149, 2020, Pages 162-175.

Advances in Single Image Super-Resolution: A Deep Learning Perspective, Proceedings of First International Conference on Computing, Communications, and Cyber-Security (IC4S 2019), Volume 121, 2020

Automated Machine Learning: The New Wave of Machine Learning, Paper, 2nd International Conference on Innovative Mechanisms for Industry Applications ICIMIA, Pages 205-212, IEEE, 2020

AUTHORED ARTICLES

Industrial Classification of Websites by Machine Learning with hands-on Python, Towards Data Science, Medium (Views: 31K, Published: July 30,2018)

Create your Professional/Educational resume using LaTeX, Towards Data Science, Medium (Views: 25K, Published: Sep 24, 2019)

PROJECTS

Real-Time Bus Prediction
This project aims at providing real-time information on public transport buses using a low-cost IoT solution. The prediction engine used for real-time tracking is based on the deep learning approach assembled in an Android App with firebase cloud support.

Data Storage
This android application uploaded on Amazon Appstore can be used to safely store, access, search files, and can manage two different accounts together i.e. private and public, quickly view your content and see file details and activity.

Traffic Analysis of Congestion Spots in VANETs using LSTM
This project is based upon a published work regarding traffic congestion prediction and its analysis in a Vehicular Ad-hoc Network using a central SDN controller. The clustering models and the analysis models run on a hybrid K-means algorithm and LSTM model respectively.

Industrial Classification of Websites using Machine Learning and Data Scraping
The project was about Industrial Website Extraction to classify the companies based on the items the website sold or maintained, into categories. The required tools for the task include NLTK, Tensorflow, and Beautiful Soup.

TECHNICAL STRENGTHS

Languages	C, C++, Python, Java, JavaScript
Technologies	MVC, Serverless, Docker
Tools	SPSS, Tableau, Pandas, Keras, Tensorflow, Scikit-Learn
Databases	Neo4j, MySql, Oracle, Sqlite, NoSql, MongoDb, DynamoDb
Cloud Technologies	Firebase, AWS, Google Cloud
Version Control	Github, GitLab

ACADEMIC ACHIEVEMENTS

Awarded Certificate of Excellence for being Top Ranker 2017 in Devang Mehta IT awards.

Project 'Real-Time Bus Prediction in City Transport' won Best Project under Multi-Disciplinary category under SSIP, Government of Gujarat

Received Scholarship For Higher Education(She) Component Under Inspire Scheme worth INR 4,00,000

Achieved A Grade in Diploma in Multilingual Computer Programming from C-DAC, GIST

First Runners up in Tic-Tech-Toe Hackathon organized by IEEE, Gujarat at DA-IICT, Gandhinagar for Project 'Edu.io' in January 2018

Won First Prize in Zonal C quiz Competition Organized by Silver Oak Institute, Ahmedabad.

Intel Edge AI Scholarship Winner, 2019-2020, Udacity

EXTRA-CIRRUCULAR

Co-Organized " Vishwahack 1.0" - a National hackathon at VGEC under GTU Central TechFest, 2018.

Attended a workshop on Machine Learning and artificial intelligence from faculties of IIT Roorkee in 2019 and won the zonal round for the challenge presented.

Member of the Institute of Engineers since 2017.

Completed Basic Leadership Training under Project Youth Brigade INVINCIBLE- The NGO

Attended international conference on Computing, Communications, and Cyber-Security(IC4S-2019), Chandigarh