

Shrey Dabhi

BIG DATA · FULL STACK DEVELOPMENT · MACHINE LEARNING

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Summary

A passionate self-taught developer, with a knack for creating engaging user experiences and performant systems. Able to effectively leverage recent and emerging technologies to achieve the required functionalities.

Skills

Languages Python, JAVA, SQL, Scala, JavaScript / NodeJS, Octave, Matlab

Big Data Spark, Hadoop, Drill, Hive

ML / DL Tensorflow, PyTorch, Scikit-Learn, NumPy, SciPy

Web Development Django, Flask, React, Express

Employment History

Optum

Hyderabad, Telangana

SOFTWARE ENGINEER

Jul 2020 - Present

- Working on migration of legacy mainframe applications to big data environments using tools like Hadoop, Spark and Kubernetes for reducing MIPS cost

Internships

Robert Bosch Engineering and Business Solutions

Bengaluru, Karnataka

PROJECT TRAINEE

Jan 2020 - Jun 2020

- Built algorithms which surpassed performance of NumPy's implementation of eigen decomposition under certain constraints
- Built systems using quantum computing and quantum inspired classical algorithms
- Built algorithms which surpassed the performance state-of-the-art techniques in graph based machine learning
- Published 2 papers, filed 4 invention reports and released 1 software package on Python Package Index

LetsNurture Infotech

Ahmedabad, Gujarat

SOFTWARE ENGINEERING TRAINEE

May 2019 - Jul 2019

- Worked on developing PoCs for potential and existing clients, and doing research and feasibility studies on leads for new project
- Projects undertaken include Visual Search, Virtual Try On, IoT in cricket, Food Classification, and Invoice Processing

Taaraka Technologies

Ahmedabad, Gujarat

MACHINE LEARNING INTERN

Dec 2018 - Feb 2019

Hasura Technologies

Remote

PRODUCT DEVELOPMENT FELLOW

Dec 2017 - Feb 2018

Education

Institute of Technology, Nirma University

Gujarat, India

B.TECH. IN INFORMATION TECHNOLOGY

August 2016 - July 2020

- CGPA: 8.12 / 10

Research Papers

Eigenvector Component Calculation Speedup over NumPy for High-Performance Computing

Feb 2020

SHREY DABHI AND MANOJKUMAR PARMAR

- Available on arXiv: <https://arxiv.org/abs/2002.04989>
- Accepted at 8th International Conference on Recent Trends in Computing (ICRTC 2020), to be published in Springer Lecture Notes in Networks and Systems (LNNS)

Virtual SAR: A Synthetic Dataset for Deep Learning based Speckle Noise Reduction

Apr 2020

Algorithms

SHREY DABHI, KARTAVYA SONI, UTKARSH PATEL, PRIYANKA SHARMA AND MANOJKUMAR PARMAR

- Available on arXiv: <https://arxiv.org/abs/2004.11021>
- Dataset available on IEEE DataPort: <https://dx.doi.org/10.21227/asth-ra98>

NodeNet: A Graph Regularised Neural Network for Node Classification

Jun 2020

SHREY DABHI AND MANOJKUMAR PARMAR

- Available on arXiv: <https://arxiv.org/abs/2006.09022>

Projects

Rappel

HACKATHON | DIGITAL OCEAN APP PLATFORM HACKATHON 2018

Dec 2020 - Present

- An idea management tool, inspired from kanban boards and integrated with GitHub

bsedata

OPEN-SOURCE

Jun 2018 - Present

- A Python library for extracting real-time data from Bombay Stock Exchange (India)
- PyPI: <https://pypi.org/project/bsedata/>

Django JWT Auth Server

OPEN-SOURCE

Aug 2019 - Dec 2019

- Improved efficiency of existing denoising using CNN. Successfully implemented residual learning networks

Count'em All

HACKATHON | JAMSTACK HACK 2018 | 2nd RUNNER UP

Nov 2018 - Dec 2018

- A simple app to count the number of people attending a gathering with the help of machine learning

Twitter Clone

INTERNSHIP

Nov 2017 - Dec 2017

- A replica of the user interface of Twitter's Android app with mock / hard-coded data wherever required

Courses

Jun 2020 **Deep Learning Specialization**, by deeplearning.ai

Aug 2019 **Secure and Private AI**, by Facebook

Feb 2019 **Machine Learning**, by Stanford University

Dec 2018 **Getting Started with Google Kubernetes Engine**, by Google Cloud