

Prithvi Shetty

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TECHNICAL COMPETENCIES

- Programming Languages and Databases: **Python, SQL**, HTML, CSS, R, MATLAB
 - Tools: **Tableau, AWS**, Hive, Hadoop, Teradata, Cognos, Kubernetes, ETL, PowerBI, SQL Server
 - Packages/OS: **Pandas, TensorFlow, Keras, opencv, nltk, PyTorch, fastai, gensim, Scikit-learn, NumPy**
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PROFESSIONAL EXPERIENCE

SAP Concur, Data Scientist, Seattle, WA

July '19-Current

- Built a tool to **detect early crashes** using Machine learning in Concur Mobile App and deployed it in **AWS reducing detection time by 48%**.
- Led the initiative for development of two **insights tools (dashboards)** using Python/HTML which automatically generates top topics from daily customer/user feedback used by all the product managers and TPMs in the company which helps in directly **identifying key issues in products and user experience**.
- Identified the **key metrics** and built dashboards on Tableau which helps in continuous monitoring of **P2s/P1s**.

SAP Concur, Data Science Intern, Seattle, WA

June '18-June'19

- Built a **deep learning model** implementing Recurrent Neural Networks (LSTM) for classifying over **100,000** customer and user feedback comments which saves 2 weeks of man-hours for every month **improving customer experience**.
- Removed PII's such as names, email addresses from comments using **text mining/ML** with an accuracy of **83.8%**.

Accenture, Data Engineer, Mumbai

Nov '16-Aug'17

- Developed two full modules using **SQL, ETL** where Big Data (more than 2 million records of raw data) from multiple sources is cleaned, formatted and transformed and then, aggregated in the data warehouse (Hive).
 - Analysed and interpreted data reports and visualised data on dashboards using **Tableau, IBM Cognos** which helped for driving data driven business solutions and strategic advancement of finances of the client by **11.75%**.
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EDUCATION

University of Washington, Information School, Seattle, WA (3.81/4.0)

June'19

Master of Science in Information Management -- Specialization in Data Science & Analytics. Relevant Coursework: Machine learning and econometrics, Deep learning for Computational Scientists, Artificial Intelligence for Engineers

University of Mumbai, Mumbai, India

Aug'16

Bachelor of Engineering -- Relevant Coursework: Random Signal Analysis(Statistics), Object Oriented Programming

PROJECTS AND RELEVANT EXPERIENCE (github.com/shettyprithvi)

- **2019: Facial expression recognition using deep learning**

Toolkit: Python (Keras, TensorFlow, Pandas, opencv, Numpy, matplotlib)

Summary: In this ongoing research project, **Convolutional Neural Networks** (NASnet/ImageNet) is implemented for classifying over 50,000 facial expressions of over 100 subjects in DISFA+ dataset based on their action unit intensities.

- **2019: Cancer detection using deep learning** ([See Github link](#))

Toolkit: Python (Keras, TensorFlow, Pandas, opencv, Numpy, matplotlib)

Summary: This project involves classifying over 220,000 tumor images using **deep learning** on UW's Supercomputer HYAK using **Convolutional Neural Networks (DenseNet)** with an accuracy of 91.2%.

ACHIEVEMENTS AND PUBLICATIONS

- **Husky 100 award, University of Washington, 2019** ([See link](#))

Honored for being selected among the **best 100 students for 2019** in UW among more than 50,000 students.

- **Best intern award, 2018** ([See link](#))

Awarded the best intern, 2018 at SAP among more than 160 interns all around the US for my **data science** work.

- **First place, T-Mobile Hacksgiving, 2018** ([See link](#))

Awarded the first place at T-Mobile Hacksgiving, 2018. The idea was a 3-step approach to reduce number of returns in e-commerce by 93% by implementing a **recommender system and theme classifier** using **data science**.

- **First place, SAP Hackathon, 2018** ([See link](#))

- **First place, NASA Hackathon, 2018** ([See link](#))