

Bhavi Shah

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EDUCATION

Illinois Institute of Technology, Chicago IL
Master's in Data Science

Jan 2021 – Present

Indus University, India
Bachelor's degree in Information Technology

Aug 2016 – June 2020
GPA: 8.46 / 10.00

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, PHP, R Programming, MATLAB
- **Databases:** MySQL, PL/SQL, NoSQL (MongoDB)
- **Cloud Services:** Amazon Web Services, Microsoft Azure, Google Cloud Platform
- **Frameworks:** Hibernate, Angular, Node JS, Flask
- **Technologies:** Hadoop, Hive, HBase
- **Machine Learning:** Pandas, NumPy, OpenCV, Scikit-learn, Matplotlib, Random forests, Decision Trees, Bayesian Models, Pytorch, Keras, Neural Networks, TensorFlow

PROFESSIONAL EXPERIENCE

Project Lead

January 2022 – Present

CCC Intelligent Solutions Inc.

Chicago, USA

- Developing a project of Machine Unlearning under my Data Science Practicum Training with a team of 5 members using Python technology.
- The purpose of this project is to evaluate the possibility of unlearning the impact of small set of the original dataset used to train the model.
- We are using the concept of SISA training to expediate the learning process and improve the performance.

Software Developing Intern

December 2019 – May 2020

Digimation Technologies Pvt. Ltd.

Ahmedabad, India

- Developed a project named 'Garbage Separator' using the concepts of Machine Learning and Deep Learning and got an efficiency of 94% for the model.
- Developed the project website for its implementation and extracted the dataset from Beautiful Soup.
- Worked on Artificial Neural Network (ANN), Deep Neural Network (DNN), Regression models, tuning hyper parameters, Natural Language Processing, and Image Processing.

Training Intern

June 2019 – August 2019

AIS Technolabs Pvt. Ltd.

Ahmedabad, India

- Worked as an intern with a team of 14 professionals in helping with customer's business needs.
- Worked on Machine Learning technologies, data mining and modelling techniques which helps in getting the predictive analysis using the prior and latest data to check the trends which improved the sales by 10%.
- Additionally, worked on Hadoop Framework and MongoDB to store and process the data.

Web Developer Intern

June 2018 – July 2018

3i InfoCom

Ahmedabad, India

- Built and developed a full stack e-commerce website using HTML, CSS, JavaScript, Bootstrap as front-end tools and using relational databases like MySQL as back-end tool.
- Analyzed existing codes and websites and increased the sales by 15% and profit by 5%.

PROJECTS

Image Segmentation using Mask R-CNN (*Python, Neural Networks, Computer Vision*)

May 2021

Created an Image segmentation model using Mask R-CNN model based on Feature Pyramid Network and Resnet-101 on the COCO dataset. Achieved 99% accuracy in generating masks and identifying objects in the dataset.

NearBy Android Application (*Java, Android*)

April 2019

The NearBy mobile application navigates the person to the required location using Google Maps API and Java. The application has various categories like restaurants, hospitals, schools and many more and with the help of the current location the applications will show the nearest location of the category selected and the best path to reach the location.