

Nidhi Menon

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EDUCATION

MS in Computer Science
Georgia Institute of Technology
(Aug '17 – Dec '18)

- GPA: 3.72/4
- Major: Machine Learning

BE in Computer Engineering
University of Mumbai
(Aug '13 – July '17)

- GPA: 8.14/10
- Exchange program to Saint Mary's College of California for a certificate course in Global Management Practices and Leadership Strategies

SKILLS

Languages

Python
SQL
Java
MATLAB
C
D3.js
Chart.js
React.js
R

Tools

AWS
WEKA
Tableau
PowerBI
PostgreSQL
TensorFlow
PyTorch
Azure
Hadoop

OS

Macintosh
Linux
Windows
Cloudera

AREAS OF EXPERTISE

Data mining and analysis
Data visualization
Machine learning
Statistics

As a Data Scientist with a software engineering background, I uncover insights and develop data-driven solutions for organizations to enable them to make better decisions and adopt best practices. I have a strong background in data analytics, machine learning, and statistics with a keen interest in the areas of computer vision and NLP.

WORK

Autodesk Inc. – San Francisco, CA

○ *Data Scientist* *Jan '19 – Present*

- Empowering Autodesk's Forge community to make decisions with quantifiable, data-driven evidence to achieve best business outcomes
- Interpreting data via statistical methods and machine learning to determine successful patterns to improve productivity of squads

○ *Data Science & Machine Learning Intern* *May '18 – Aug '18*

- Deployed framework and dashboard to provide key statistics that aid Agile coaches to gain insights for iterative improvement of teams across 84 Autodesk products
- Delivered proof-of-concept to analyze corporate Github data to track employee contributions to open-source projects

Georgia Institute of Technology – Atlanta, GA

○ *Graduate Student Researcher* *Jan '18 – Dec '18*

- Engaged neural network models in identification and classification tasks for hybrid images to compare and evaluate results of neuroimaging techniques conducted to analyze visual perception skills of humans

Smartturtles Software Labs Pvt. Ltd. – Mumbai, India

○ *Software Intern* *Aug '15 – Feb '17*

- Developed web-apps with focus on client-side programming using agile methodologies to suit diverse customer needs
- Resolved and tested 100+ user issues during post-deployment maintenance support for 2 projects over 4 years

L&T Infotech (LTI) – Chennai, India

○ *Project Trainee* *June '15 – July '15*

- Designed secure browser-based portal with project management functionality for certification and testing organizations to deliver better tests quickly and efficiently

PROJECTS

Social Media Analytics

- Designed expert-recommendation system that reduced number of unanswered questions on **Stack Overflow** by 90% using k-means and random forest algorithms
- Built interactive tool based on **meetup.com** to aid event organizers in making the right decisions to ensure maximum participation in, and success of events
- Modelled sentiment analyzer for **Twitter** data on #brexit to analyze its socio-political impacts around the world

UniMate

- Demoed web portal that provides university-based recommendations to students for apartments and roommates with real-time database updates under 200ms

PeraNoto

- Spearheaded prototyping of PeraNoto, a furniture placement software using Genetic Algorithm that recorded 90% accuracy in optimal furniture placements for 5 generations with a population size of 20,000 positional chromosomes

MovieLens Recommendation System

- Built movie recommendation systems based on Graph Theory, Machine Learning, and deep learning techniques to conduct a comparative study that highlighted the best use cases for each technique

Smart India Hackathon 2017

- Delivered web-based analytical platform for National Commission for Protection of Child Rights (NCPDR) with real-time updating of database to monitor status of cases registered under the Protection of Children from Sexual Offences (POCSO) Act, and track its progress within police and judiciary databases

PUBLICATION

Floor Layout Planning using Artificial Intelligence Technique *April '17*
Vol. 6, Issue 4, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)