

4 Deerfield Drive, Apt. 105  
Ottawa, ON K2G 3R6  
(613) 667-4651  
[shaha@algonquincollege.com](mailto:shaha@algonquincollege.com)  
[LinkedIn Profile](#)

# ADESH SHAH

## EMPLOYMENT

### Principal Investigator - Data Analytics Centre (DAC)

*Algonquin College, Ottawa, ON*

May 2016 - PRESENT

As an applied research Principal Investigator, I led industry-centric projects from start to finish for clients including inception of a mutually agreed upon, scope dictated work plan all the way to successful final solution delivery. Per-project based tasks included conducting interviews, hiring students as Research Assistants, and guiding them throughout the duration of projects to ensure quality research and successful completion of proposed project outcomes.

- Helped establish DAC at Algonquin College, Canada's first college-based applied Data Analytics Centre. (<https://www.algonquincollege.com/arie/about/centres/#dataanalytics>)
- Researching and leading projects in Machine Learning, Artificial Intelligence and Big Data.
- Effectively train and mentor student researchers in projects related to Big Data Analytics
- Implemented 12 research project over the past 2 years. These include development of practical AI solutions using Machine Learning, NLP, Image recognition, and IoT.
- Worked with Python, Java, C++, JavaScript, Tensor Flow, Keras, Pandas, NumPy, scikit-learn, MATLAB, Tableau, Power BI and Cloud Technologies like Amazon Web Services, Google Cloud, Microsoft Azure and IBM Cloud.

### Professor

*Algonquin College, Ottawa, ON*

January 2018 – December 2018

- Taught 2nd year students of Mobile Application Design and Development Program: Cross Platform Web Application (JavaScript).
- Taught 1st year students of Internet Application and Web Development Program: Cross Platform Web Development (HTML & CSS).
- Average rate of 4.8/5.0.

### Teaching Assistant

*Algonquin College, Ottawa, ON*

September 2016 – April 2017

- Assisted lead professor in conducting increased learning experience for students through reinforcement lecturing and questioning.
- Courses taught: HTML & CSS, JavaScript, and Server-Side Scripting.

## Microsoft Evangelist

Microsoft Canada, Ottawa, ON

May 2016 – April 2017

- Took part in initial phase of developing Microsoft Cognitive Services API.
- Hosted tech event, workshops and hackathons across Ottawa region with other Technical Evangelist.
- Developed Emotion recognition universal windows application using Microsoft Cognitive Services and C#.

## EDUCATION

### Algonquin College

Ottawa, ON

September 2015 – April 2017

- Graduate of Mobile Application Design and Development. GPA: 3.9/4.0.
- Graduate Coursework: Cross-Platform Web and Application Development, UI and UX Design, Android, iOS and Windows mobile application development, Applied Project with real clients.

### Mumbai University

Mumbai, INDIA

September 2010 – April 2014

- Bachelor's in Computer Science
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture

## PROJECTS

- **Real Time Object Detection** (2019). Developing drone classifier using TensorFlow, Python, Google Cloud Computing and Raspberry Pi.
- **Gas Sensor Data for timely Prediction** (2018-2019). Using sensor data only, effectively predicted the source of the odor (wine, banana or no-odor), using support vector machine algorithm and python for data analysis.
- **Sentiment Analysis** (2018). Sports Sentiment Analysis using Python and Natural Language Processing and developed our own Lexicon based Sentiment Analysis Model for FanShare Sports.
- **Dancing Data Visualization** (2017 – 2018). Developed Data Visualization software for a client Global Advantage, using Python, Pandas, NumPy, JavaScript, and Plotly. The project was displayed at Queen's park in Toronto.
- **Data Analytics for Rural Transformation** (2017-2018). Analyzing and visualizing dataset provided by Frontenac County, Ontario for their rural transformation.
- **Visualizing Artificial Neural Network** (2017). Using Pima-Indian-Diabetes dataset successfully visualized Artificial Neural Network with Python, Keras and graphviz library.
- **Nightlight, emergency alert for mobile phones** (2016-2017). Developed an iOS message extension application using Swift 3.0, keynote JS for the backend which allows user to share location if there is an emergency.

## ACHIEVEMENTS AND CERTIFICATE

- Machine Learning by Andrew Ng, Stanford University Online (2016-2017).
- Neural Networks and Deep Learning by Coursera, Deeplearning.ai (2018).
- Python and Ruby on Rails by IIT Bombay (2011 – 2013).