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| 28 Rockway Crescent, Apt 202  Ottawa CA K2G3S1 | **Adesh Shah**  [**LinkedIn**](https://www.linkedin.com/in/shahadesh/) | | | +1 (647) 667-4651  [shaha@algonquincollege.com](mailto:shaha@algonquincollege.com) |
| **Employment** | | | | |
| **Principal Investigator** | **Algonquin College** | | | May 2016 – Present |
| Data Analytics Centre (DAC)  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/facilities/data-analytics-centre/>)   * 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, TensorFlow, Keras, Pandas, NumPy, scikit-learn, MATLAB, Tableau, Power BI and Cloud Technologies like Amazon Web Services, Google Cloud, Microsoft Azure and IBM Cloud. | | | | |
| **Instructor** | Algonquin College | | | January 2018– Present |
| * Currently teaching 1st year students of Mobile Application Design and Development Program: Cross Platform Web Development. Courses: HTML & CSS * Taught 3rd year students of Mobile Application Design and Development Program: Cross Platform Web Application. Course taught: JavaScript in Winter Semester * Taught 1st year students of Internet Application and Web Development Program: Cross Platform Web Development. Course taught: HTML & CSS in Fall Semester * Average rate of **4.8/5.0**. | | | | |
| **Teaching Assistant** | **Algonquin College** | | | **September 2016 – April 2017** |
| * Assisted lead professor in conducting increased learning experience for students through reinforcement lecturing and questioning. * Courses: HTML & CSS, JavaScript, and Server-Side Scripting. | | | | |
| **Microsoft Student Evangelist** | | Microsoft Canada | May 2016 – April 2017 | |
| * Took part in initial phase of developing Microsoft Cognitive Services * Hosted tech events, workshops and hackathons across Ottawa region with other Technical Evangelist. * Developed Emotion recognition universal windows application using Microsoft Cognitive Services and C#. | | | | |
| **Education** | | | | |
| **Ottawa, CA** | **Algonquin College** | | | **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. | | | | |
| **Projects** | | | | |
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| * **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). * **Visualizing Artificial Neural Network** (2017). Using Pima-Indian-Diabetes dataset successfully visualized Artificial Neural Network with Python, Keras and graphviz library. | | | | |
| **CERTIFICATES** | | | | |
| * **Neural Networks and Deep Learning by Coursera, Deeplearning.ai** (2018). * **Machine Learning by Coursera, Stanford University** (2017) * **Python and Ruby on Rails by IIT Bombay** (2011 – 2013). | | | | |