

# HIMANSHU AJMERA

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[Portfolio](#)

## EDUCATION

Cincinnati, OH

University of Cincinnati

Aug 2017-Apr 2019

- Master of Science in Information Technology
- Graduate Coursework: Intelligent Data Analysis, Machine Learning & Data Mining, Information Retrieval, Data Analysis Methods

Bhopal, India

University Institute of Technology-RGPV

Jul 2013-May 2017

- Bachelor of Engineering in Information Technology
- Coursework: Data Structure & Algorithms, Object Oriented Analysis & Design.

## EMPLOYMENT

Innovation Design Technologist

Fifth Third Bank Corp.

Aug 2019-Present

- Developing Augmented Reality experiences and collaborating with designers, technologists, and Line of Business partners.
- Utilizing machine learning to build automation solutions for various teams and enhanced customer experience.
- Assisting with the research and evaluation of emerging design, technology, industry, and market trends.
- Participating in the full lifecycle of product development; including ideation, design, development, implementation and validation.
- Building Virtual reality-based applications keeping design thinking principles into consideration.

Software Developer, Co-Op

UC Simulation Center (UCIT)

Jan 2018-Jul 2019

- Developed Asset Manager using Visual Studio capable of managing 6 categories of art and programming asset that contributed to increasing the overall team efficiency on JIRA by over 28% in 4 months.
- Collaborated with UCSIM's art team to provide applications for fortune 500 companies and Research Institutes.
- Integrated Google Analytics plugin in various Unity based applications. Collected user engagement data from 8+ locations.
- Constructed a data visualization tool for HoloLens with 10-dimensions to analyze student's performance in a course throughout the semester on different parameters.
- Experience working in Agile Methodology. Attended sprint review and daily stand-up. Utilized SourceTree for version Control and JIRA for progress tracking.

## PROJECTS

Emojifier [Technologies: LSTM, NLP, Deep Learning, Python]

Nov 2018

- Build an LSTM recurrent neural network, which suggests emoji for given sentence to express sentiments better!
- Improved accuracy from 85% to 94.7% by implementing techniques like regularization and using embedding from Keras.

Mobile AR App for Salesforce Training [Technologies: Unity Engine, AR, Vuforia, C#]

Aug 2018-Oct 2018

- Lead the team of 3 students for developing an Augmented Reality based mobile app. Designed UI and use cases for the app.
- Added pinch zoom and play-pause button functionality for video. Integrated carousel plugin for image sliding.
- Established connection between Vuforia database and application for object detection.

House Price Prediction [Technologies: Google Cloud Platform, CNN, Python]

May 2018 – Jun 2018

- Trained a CNN model and turned it into an API to predict House price from the image using the feature like size, location, etc.
- Improved model accuracy to 86.4% by Hyperparameter tuning with the Google cloud resources.
- Performed feature engineering including preprocessing, selection and transformation of the column for optimal use in ML-model.

Distributed Information System [Technologies: Java, SQL, Hibernate ORM]

Aug 2016 – Mar 2017

- Developed an information system remotely distributed across the state. Utilized a different RDBMS server. Established two way-connection between all the servers.
- Created 8 databases on different servers for testing purpose. Worked with MySQL, PostgreSQL, MS-SQL Server.
- Lead the team of 4 students. Prepared design document and distributed the tasks. Used GitHub for version control.

## SKILLS

**Programming Languages:** Proficient with Python, R, JavaScript, C#, Bash, HTML, CSS, SQL | Familiar with Typescript, Java, C++.

**Tools:** Jupyter-Notebooks, Unity-3d, Visual Studio, NetBeans, MySQL, Confluence, JIRA, SourceTree, GitHub, Google ML Engine.

## SPECIALIZATIONS

- Deep Learning, a 5-course specialization by deeplearning.ai on Coursera, Specialization Certificate earned on October 12, 2018.
- Advanced Machine Learning with TensorFlow on Google Cloud Platform, a 5-course specialization by Google Cloud on Coursera, Specialization Certificate earned on December 10, 2018.