HIMANSHU AJMERA

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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

Software Developer, Co-Op **UC Simulation Center (UCIT)** **Jan 2018-Present**

- 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.

Software Engineer, Intern **Infocus Software Development** **May 2015-Apr 2016**

- Contributed software engineering expertise in the development of products through the software lifecycle, from requirements definition through successful deployment.
- Worked with different JavaScript frameworks, and libraries to make engaging and revenue-generating applications. Developed responsive web applications compatible with mobile browsers. Proposed 3 rapid prototypes and 5 pilot projects.
- Experienced in Object Oriented programming; developing, testing and debugging code; designing interfaces; and administering systems and networks.
- Quickly learn and master new technologies; successful working in both teams and self-directed settings.

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.

Web Scrapping and Text Analysis *[Technologies: NLP, NLTK, Python]* **Mar 2018**

- Performed web scrapping on Symantec.com using Beautiful Soup and analyzed vulnerabilities in software updates by Microsoft.
- Utilized Twitter API for streaming data and performed sentiment analysis using NLTK. Categorized tweets into various sentiments using Support Vector Machine.

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++.

APIs and Frameworks: Flask, Django, TensorFlow, BeautifulSoup, NLTK, Scikit Learn, AngularJS, ES6.

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.