

Sandeep Dasari

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PROFILE Graduate student in Computer Science with a passion towards algorithmic coding, web development and real time programming.

EDUCATION **Master of Science- Computing and Information Sciences (2016-current):**
GPA: 3.57 Kansas State University, Manhattan, Kansas.

Bachelor of Engineering- Computer Science (2011-2015) – 70% GPA: M.V.S.R. Engineering College, Osmania University, Hyderabad, India. Graduated 2015

SKILLS **Languages:** Python, JavaScript, Java, C++, C#, Max MSP
Technologies: NLTK, Scikit-learn, MongoDB, MySQL, Postgres, HTML, TensorFlow
Applications: Google Chrome, Studio 3T, Max for Live, PureData, Arduino

EXPERIENCE **Internship: KSU Global Campus- Web Developer (May'18- current)**

- Develop global campus websites for distance program users and faculty using HTML, CSS and JS. <https://global.k-state.edu/>

Programmer Analyst: Cognizant Technology Solutions (July'15 – July'16)

- Developed web pages and programs using C#, MVC Framework and Javascript
- Handle SQL queries/stored procedures and used jQuery to build frontend functionalities.

Research:

Project 1 (Master's Thesis): (Department of Arts) (Jan'17 - Current)

- Gesture recognition in musical instrument and interfaces
- Hand gesture controlled music instrument programmed in Leap Motion, Max/MSP, Python and C++ (Arduino) : <https://sandcobainer.github.io/touchfreemusic/>

Project 2: Highway crash prediction analytics on Kansas City Metropolitan using Big Data and Machine Learning (Kansas Department of Roadways)

- Crash prediction model based on geospatial weather, traffic and crash data collected from highway sensors and police officers

Project 3: Department of Architectural Engineering (May'17 – August'17): Real time Air pollutant data analysis in Little Village, Chicago

- Setup a PostgreSQL database for collecting, analyzing and visualizing air pollutant data from sensors carried by bikers in the town.
- Automated JSON data API calls from multiple sensor companies and visualized on the web. **Applications:** PostgreSQL, Google Maps API, JSON, Plotly, PHP

URL: <http://fingolfin.kdd.cs.ksu.edu:8080/airquality/>

PASSIONS

- Hackathons, building software and hardware
- Music production
- Tech discussions