

1255 E University Dr, Apt 3075
Tempe AZ 85281
(480) 859-2874
Vutsuak96@gmail.com

KAUSTUV DEOLAL

[HTTPS://GITHUB.COM/VUTSUAK16](https://github.com/VUTSUAK16)
[HTTP://VUTSUAK16.GITHUB.IO/](http://vutsuak16.github.io/)
<https://www.linkedin.com/in/kaustuv16/>

EMPLOYMENT

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|--|--|---------------------------------------|
| Research Assistant | WP Carey School of Business | October 2017 – Present |
| <ul style="list-style-type: none">Assisting the research in Computer Information Systems using web crawling techniques and Data mining. | | |
| Research Intern | Hewlett Packard | January 2017 – July 2017 |
| <ul style="list-style-type: none">Developed and deployed AWS Cost Calculator on ELK stack. Used Pandas for Data analysis.The Cost Calculator generated bill trends for clients and scrum teams working on cloud micro-services.Deployment was done using DevOps toolset, by setting up Nginx on AWS Elastic Cloud Compute(EC2) | | |
| Backend Developer Intern | QULP | May 2016 – July 2016 |
| <ul style="list-style-type: none">Designed and Developed the Blog and Website for QULP on Flask. Database was built on SQL with peewee ORM.Worked on design and backend of the ECHO social networking android app. Used volley API for standard requests. | | |
| Remote Android Intern | Global Evolutionary Energy Design | September 2015 – December 2015 |
| <ul style="list-style-type: none">Developed and designed Energy Conservation Building Code (ECBC) android application.The app comes in handy for building professionals at their work place and during site visits. | | |
| Research Intern | IIIT | June 2015 – July 2015 |
| <ul style="list-style-type: none">Worked on developing a novel Frequent Pattern Mining Algorithm using Mathematical Induction.The work resulted in significant contributions to existing solutions in field of FP mining. | | |

EDUCATION

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| Tempe, AZ | Arizona State University | August 2017 – May 2019 |
| <ul style="list-style-type: none">M.S. in Computer Software EngineeringGraduate Coursework: Advance Data structures and Algorithms, Software Inception and Elaboration. | | |
| Greater Noida, UP | Shiv Nadar University | August 2013–May 2017 |
| <ul style="list-style-type: none">Bachelors in Technology in Computer Science with minor in Mathematics.Undergraduate Coursework: Artificial Intelligence, Compiler Design, Computer Networks, Data structures and Algorithms, Operating Systems, Internet of Things (IOT), Number Theory, Abstract Algebra | | |

TECHNICAL EXPERIENCE

Projects

- Twitter Bot.** Using twitter API collected tweets related to a keyword and auto followed the tweeter.
- Braille Printer.** Using Arduino and pyserial created a printer setup for the visually challenged to read text files on personal computers.
- Breast Cancer Tumor Classification.** Used sklearn and pandas to train and compare three classification algorithms viz. SVM Logistic Regression and Decision Trees. They classified tumor as benign or malignant with varying accuracies.
- Cricket Crawler.** Used beautiful soup to scrape cricket data from the web and put it behind a WxPython UI.

TALKS AND WORKSHOPS

- Interactive Data plotting with Bokeh:** Delivered a talk in PyCon India on data visualization using bokeh Python
- Python Workshop:** Took a workshop in IIIT Gwalior. It covered scientific computing and functional programming.

Languages and Technologies

- Python, Scala, Java, Javascript, C, Cython, Spark, Flask, Django, REST, react.js, SQL, NoSQL, MongoDB, Linux.
- ELK(elastic) stack, Data Science, Machine Learning, Pandas, Android, Heroku, DevOps, Bootstrap, AWS, git, github