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# KAUSTUV DEOLAL

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## EMPLOYMENT

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

## EDUCATION

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

## TECHNICAL EXPERIENCE

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### 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

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- 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

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