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EMPLOYMENT

Research Intern — **Hewlett Packard** — **January 2017** – July 2017
Print R&D
- Created an AWS Billing Platform to bill client solutions
- The AWS Cost Calculator was built on ELK stack and Pandas was used for Data cleaning
- The billing platform also generated billing trends for internal scrum teams working on cloud micro-services

Backend Developer Intern — **QULP** — **May 2016 –** July 2016
- Created the Blog and Website for the startup on Flask. Database used was Postgres with orm as peewee.
- Worked on Android design creating profile pages on the Application. Used volley API for standard requests.

Remote Android Intern — **Global Evolutionary Energy Design** — **Sept 2015 –** Dec 2015
- Worked on creating Energy Conservation Building Code (ECBC) android application.
- It was a govt. of India funded project, where worked on UV calculator activity XML design and backend.

Research Intern — **IIIT D&M Kancheepuram** — **Jun 2015** – Jul 2015
- Worked on creating a novel Frequent Pattern Mining Algorithm using Mathematical Induction
- The work resulted in significant contributions to existing solutions in field of FP mining.

EDUCATION

Tempe, AZ — **Arizona State University** — **Fall 2017** – May 2019
- M.S. in Computer Software Engineering
- Graduate Coursework: Semantic Web, Advance Data structures and Algorithms, Software Enterprises: Inception and Elaboration

Greater Noida, UP — **Shiv Nadar University** — **Aug 2013–**May 2017
- Bachelors in Technology in Computer Science with minor in Mathematics. GPA – 3.1
- Undergraduate Coursework: Artificial Intelligence, Compiler Design, Computer Networks, Data structures and Algorithms, Operating Systems, Software Engineering, Internet of Things (IOT), Number Theory, Numerical Analysis, 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 app.

TALKS AND WORKSHOPS

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

Languages and Technologies

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