

# Kaustuv Deolal

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## EDUCATION

**ARIZONA STATE UNIVERSITY**  
MS IN COMPUTER SOFTWARE  
ENGINEERING  
Expected May 2019 | Tempe, AZ

**SHIV NADAR UNIVERSITY**  
BS IN COMPUTER SCIENCE  
August 2013- May 2017 | New Delhi,  
India

**CITY MONTESSORI SCHOOL**  
Grad. May 2013 | Lucknow, India

## LINKS

Github:// [vutsuak16](#)  
LinkedIn:// [kaustuv16](#)  
AngelList:// [vutsuak](#)  
StackOverflow:// [@vutsuak](#)

## COURSEWORK

### GRADUATE

Deep Learning in Visual Computing  
Advance Data Structures and Algorithms  
Languages and Programming Paradigms  
Software Enterprises and Management  
Software Process Management

### UNDERGRADUATE

Advance Data Structures and Algorithms  
Database Management  
Operating Systems  
Artificial Intelligence  
Computer Networks  
Linear and Abstract Algebra

## SKILLS

### PROGRAMMING

Over 50000 lines:  
Python • Java • C • SQL  
Over 5000 lines:  
Scala • Matlab • Cython  
• JavaScript • CSS • HTML

### TOOLS AND FRAMEWORKS

Logstash • Kibana • Flask • Spark  
• Pandas • Sklearn • Numpy • Matplotlib  
• TensorFlow • React.js • Git • Android  
• REST

### DATABASES AND CLOUD

ElasticSearch • MySQL • MongoDB  
• Neo4j • Redis • Heroku • AWS

## EXPERIENCE

**ADVINOW | PYTHON DATA INTERN**  
May 2018 – Aug 2018 | Paradise Valley, AZ

- Currently working on the diagnostic engine, enhancing its capability to predict top five diseases based on symptoms
- Scraped large amount of data from multiple medical sites to create necessary disease-symptom-treatment database..
- Created docker pipeline on AWS to speed up to testing. It improved testing speed by 150 percent.

**HEWLETT PACKARD INC | SOFTWARE ENGINEERING INTERN**  
Jan 2017 – July 2017 | Bengaluru, India

- Created AWS Cost Calculator using ELK stack and Pandas. The Cost Calculator timely generated bills for clients using HP micro-services.
- All code was reviewed, perfected, and pushed to production.

**QULP | SOFTWARE ENGINEERING INTERN**  
May 2016 – July 2013 | Bengaluru, India

- Designed and Developed the Blog and Website for QULP on Flask.
- Worked on design and backend of the ECHO social networking android app. Used volley API for standard requests

## RESEARCH

**WP CAREY SCHOOL OF BUSINESS | RESEARCH ASSISTANT**  
Oct 2017 – May 2018 | Tempe, AZ

Assisted the research in Computer Information Systems using web crawling techniques and Data mining. Crawled multiple websites and created large sensible datasets and visualizations.

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY | RESEARCH INTERN**

Jun 2015 – Jul 2015 | Chennai, India

Worked on developing a novel Frequent Pattern Mining Algorithm using Mathematical Induction. The work resulted in significant contributions to existing solutions in field of Frequent Pattern mining.

## PROJECTS

- Braille Printer: Used Arduino and pyserial created a printer setup for the visually challenged to read text files on personal computers.
- Created from scratch a programming language called "KAJA". Used PLY (Python Lex-Yacc) and generated the intermediate code in Three Address Form.
- Implemented CycleGans using Tensorflow, to convert SVHN images to MNIST and vice-versa.

## TALK 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.