

Kaustuv Deolal

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EDUCATION

ARIZONA STATE UNIVERSITY

MS IN 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

AMERICAN EXPRESS | DATA SCIENTIST INTERN

August 2018 – Present | Phoenix, AZ

- Working on improving the content and offer model for US based credit card holders.
- Work involves dabbling in machine learning algorithms like Random Forests and Gradient Boosting. Data pre-processing uses pyspark and pandas.

ADVINOW | PYTHON DATA INTERN

May 2018 – July 2018 | Paradise Valley, AZ

- Worked on the diagnostic engine, enhancing its capability to predict top five diseases based on symptoms. The optimization involved developing a variant of Naive Bayes Algorithm.
- 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 AND WORKSHOPS

- 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.
- Delivered a talk in PyCon India on data visualization using bokeh Python
- Delivered a workshop in IIIT Gwalior. It covered scientific computing and functional programming.