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 Sructures and Algorithms
Languages and Programming Paradigms
Software Enterprises and Management
Software Process Management

UNDERGRADUATE
Advance Data Sructures 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 – July 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 intermdiate 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.