

AKASH VERMA



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EDUCATION

MSc Computer Science [Data Science]

2019 – 2020

Trinity College Dublin, Ireland

- **Grades:** Expected First Class Honours
- **Relevant Coursework:** Machine Learning, Data Analytics, Artificial Intelligence, Text Analytics.
- **Thesis:** Histopathology H&E images classification using unsupervised learning.

BTech Information Technology

2011 – 2015

Symbiosis Institute of Technology, India

- **Grades:** 3.229/4.0
- **Relevant Coursework:** Data Structures, Distributed Systems, Cloud Computing.

TECHNICAL SKILLS

Programming Language/ Scripting: Python, Java, R, C++, Bash, SQL, JavaScript.

Technologies/Domains: Cloud Computing, Big Data, Microservices, DevOps, Machine Learning, Agile, Git, Jira, AWS.

WORK EXPERIENCE

Software Engineer

Pune, India

Symantec

2017 – 2019

- Redesigned legacy URL protection system with AWS and Big Data Pipelines using Spark.
- Designed and developed Crawler as a Service (CaaS) platform using microservice architecture.
- Mentored 2 Interns, Appointed as Scrum Master for team of 7 and a member of Recruitment Team.
- Technology Stack: Crawlers: Heritrix, Scrapy; AWS: Lambda, Docker, S3, SNS, SQS, CloudWatch, Fargate and Aurora.

Associate Software Engineer

Pune, India

Symantec

2015 – 2017

- Delivered 14 Production Data Pipelines while working with 4 teams across globe.
- Developed Elasticsearch platform resulting in 30% improvement in query time.
- Created Hive Query Analyzer and Wrote code to monitor jobs and resources consumed using Yarn.
- Technology Stack: Storm Trident, Sqoop, HDFS, Kafka, Oozie, Pig, Map Reduce, Hive, Spark, Presto, Apache Solar, Druid, Elasticsearch.

Volunteer

Pune, India

Teach for India

2017 – 2018

- Designed and delivered curriculum for a class of 50 students.

Intern

Hyderabad, India

Amazon

2014 – 2015

- Created an Automation system saving 80% time and 3 human resources.
- Learned Google Web Toolkit, Visualizations and Amazon Web Services.

PROJECTS

- Autonomous car fleet system using AWS IOT devices of up to 8 cars.
- Machine Learning program to read image and audio captchas with 88% accuracy.
- Sentiment analysis of books during economic depression using StanfordNLP, Vader and TextBlob.

AWARDS & RECOGNITION

- Won 2018 Innovation Day Contest and Wow Awards at Symantec.
- Submitted 3 Innovation and Patent Ideas at Symantec.
- Recognition for outstanding performance by Machine Learning professor Trinity 2020.