AKASH VERMA

Mobile: + 353 894852275 | Address: 41.2, Beckett House, 123 Summerhill, Mountjoy, Dublin 1- D01TY46 | email: vermaa1@tcd.ie

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.

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.
- Machine Learning program to read image and audio captchas with 88% accuracy.
- Analysing books using sentiment analysis by StanfordNLP, Vader and TextBlob.
- Prostate Cancer Image analysis using Zernike moments and OpenCV.

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.