PAVITHRAN RAMACHANDRAN
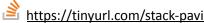
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 https://tinyurl.com/git-pavi | https://tinyurl.com/stack-pavi | https://tinyurl.com/linkedin-pavi

Available : **January 2019 – August 2019**

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science   *September 2017 - Present*

Candidate for a Master of Science in Computer Science, CGPA : 3.5

Courses : Algorithms, Databases, Artificial Intelligence, Functional and Object Oriented Programming Paradigms

Pondicherry University, Pondicherry, India

Bachelor of Technology in Electronics and Communication Engineering, CGPA : 3.4   *August 2011 - May 2015*

Courses : Data Structures and Algorithms, Operating Systems, Introduction to Programming, Microprocessors and Microcontrollers, Computer Communication Networks

TECHNICAL KNOWLEDGE

Languages	Scala, Python, Java, Bash
Frameworks	Apache Spark, Hadoop, Kafka, Zookeeper
Databases	MySQL, Redshift, Big-Query, Elasticsearch, HBase, Hive
Cloud Platforms	Amazon Web Services, Google Cloud Platform
Software and Tools	Git, Bitbucket, Confluence, JIRA, Crucible, Fisheye, IntelliJ, Eclipse

WORK EXPERIENCE

GrubHub, Philadelphia, US   *Summer - 2018*

Data Engineer Intern

- Developed a ETL testing workbench using pyspark and pytest that accelerates development time with TDD.
- Developed auditing framework to log performance and generate reports with all metrics of the ETL jobs.

SapientRazorfish, Bangalore, India   *August 2015 – August 2017*

Associate Technology (Data Engineer)

- Developed Real-Time and Batch processing pipelines for clickstream analysis of user data in e-commerce website using Apache Spark and Apache Kafka in AWS EMR.
- Developed User Identification on historical data from Redshift and Browser cache in Customer Data Platform.
- Developed data processing engine for data obtained from various IoT device and Smart Phones, processing 10's of GBs of data per hour in both real-time and batch and created framework for data scientists to interactively query data from Redshift.
- Developed Exploratory Data Analysis on TBs of data performing sanity check in the preprocessing stage.
- Developed Emotional Analysis and Selective Advertisement Targeting on Social Networks on the customers of leading American Bank during their MLB Campaign.
- Proposed and implemented various optimizations in the dynamic ETL processing of data heavier than 50 GB using Apache Spark and Big-Query in AWS EMR.
- Developed orchestration framework for end to end ETL processing of Web and Search data for 10+ countries in AWS using Lambda, SNS and Data Pipeline.

AWARDS & HONOURS

- Awarded the Best Performer in Data Specialty Consultation Group (Data-SCG) of SapientNitro   *Q4 2016*
- Runners up HackMe2 (9 weeks of Hackathon) conducted by Sapient India   *February 2017*
- Awarded Gold Medal by Indian Institute of Technology, Madras for securing 92% in   *July 2015*
  Introduction to Programming, Data Structures and Algorithms Course (NPTEL NOC)