Akshay Thorat

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EDUCATION

Carnegie Mellon University, Pittsburgh   **May 2018**
Master of Information Systems Management (GPA: 3.65)

Xavier Institute of Engineering, University of Mumbai, India   **May 2014**
Bachelor of Engineering in Electronics and Telecommunication with Distinction (GPA: 3.87)

SKILLS

Programming: Java, Python, Pyspark, SQL**,** R, PHP, Javascript, HTML 5, CSS, Ruby on Rails, Matlab
Frameworks: Keras, Tensorflow, Git, Spring boot, Django, Python Flask, Jira, AWS, Azure, GCP, NLTK, Tableau 9, Power BI
Databases: Cassandra, Teradata, Oracle, MySQL, Azure Cosmos DB, Hive on Hadoop, MongoDB, DB2, Informix
Relevant Courses: - Java, Distributed Systems, Data structures, Machine Learning, Statistics, Text Analytics, R Programming

PROFESSIONAL EXPERIENCE

Walmart Inc. , Dallas, USA   **July 2018 – Present**
Software Engineer 3 – Technology
- Heading an initiative to set up a data pipeline containing all open source data-platform tools on Kubernetes like Jupyterhub, Tensorflow batch, Tesnsorflow serving, papermill, Airflow etc.
- Integrated Airflow with Kubernetes to get a highly scalable, robust and always-up data orchestrator
- Enhanced Jupyterhub to have auto-scalability, Tensorboard, GPU, schedular, multiple kernels and AD authentication
- Developed reorder-product recommendation engine generating 9% more engagement compared to older algorithm
- Implemented Fraud engine which prevents fraud worth $50,000 daily

A.T. Kearney, Pittsburgh, USA   **Aug 2017 – Oct 2017**
Student Consultant
- Lead a team of 7 students to analyze, predict and visualize the risk associated with clinical trial timeline shifts for a Fortune 100 pharmaceuticals company
- Implemented a deep neural network with LSTM to perform text analytics and achieved 70% prediction accuracy

HILTI Asia IT services, Petaling Jaya, Malaysia   **May 2017 – July 2017**
Data Science intern
- Analyzed sensor data from Hilti tools, sales data, and data from ON!Track to provide insights with a target to increase cross-selling of Hilti tools and increase customer satisfaction of ON!Track clients using PowerBI

Larsen & Toubro InfoTech Pvt. Ltd., Mumbai, India   **Aug 2014 – July 2016**
Associate SAP BI consultant
- Integrated SAP HANA database with HADOOP and automated the process of archiving data older than 3 years in Hadoop, thereby decreasing the cost by 40%
- Helped underprivileged children to learn basic software and soft skills under "1Step", an L&T Infotech CSR initiative

Artitus Technologies Pvt. Ltd, Mumbai, India   **Jan 2013 – Aug 2014**
Co-Founder
- Developed web-based predictive analytics solutions for the clients in education and real estate sector which lead to increase in their profits by 10 to 15%

ACADEMIC PROJECTS

IoT in Construction Industry | Raspberry Pi, HTML 5, Django, AWSIoT, MySQL, Android   **Jan 2017 – May 2017**
- Prototyped a tool by pooling different sensors connected to Raspberry Pi and AWS through MQTT
- Designed a real-time dashboard to detect various anomalies in a construction site with 90% efficiency

Multipurpose Android Based Health Monitoring System | PHP, Android, MySQL, HTML 5, Arduino   **Jan 2013 – Dec 2014**
- Developed an artificially intelligent system with a tangible interface to connect doctors with rural people
- Facilitated round-the-clock monitoring of vital medical signs and notified patients about their medical status

LEADERSHIP AND AWARDS

- Two awards "Top-6 Team Leader 2017" and "Top-6 Project Team 2017" by AT Kearney | 2017
- Graduate teaching assistant at CMU for the subject "Analytics in R"
- Runner-up for Hilti IoT competition in Malaysia | 2016
- Awarded as 'STAR Performer' of the year for before time completion and excellent performance in L&T Infotech |2015
- Organized **'Code-niti Hackathon',** where 11 Non-Governmental organizations pitched their technology related problem, and these problems were solved by 11 groups of programmers in 18 hrs | 2014
- **Technical Secretary** of Xavier Institute of Engineering (XIE); managed "Transmission", technical festival of XIE | 2013