Rohit Kumar Sharma

Looking for ML Engineer/Software Engineer roles

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Experience

MICROSOFT | Software Engineer II

Jun 2020 – Present | Redmond, USA

- Support core infrastructure of Microsoft Azure Networking and ensure it is highly available, scalable, and reliable.
- Design, implement, test, and maintain critical services in Azure Software Defined Networking (SDN) towards features such as Azure Private DNS, Azure Private Link, Pre-Provisioning Service, and Service Healing of VMs.

BLOOMBERG | Software Engineering Intern

Summer 2019 | New York, USA

- Developed a Business Analytics framework in Python using Elasticsearch to perform analytics on the daily Index Production system.
- Tracked and reported anomalies in the data sources required for Index Production by analyzing historic metrics.
- Performed critical path analysis on the dependency graph of Index Production process flow to determine bottlenecks.

MICROSOFT | Software Engineer

Jul 2016 - Aug 2018 | Hyderabad, India

- Designed and developed highly scalable, reliable, and available Delivery Order and Shipment services using Azure App Service, Azure Functions, and Azure Logic Apps as a part of Microsoft Supply Chain team.
- Delivered a presentation in the Cross Domain - Development Tools & Technologies (DEV) track on Fundamentals of Azure Kubernetes Service (AKS) at Microsoft Ready, Seattle.

JP MORGAN CHASE CO. | Software Engineering Intern

Jan 2016 - Jun 2016 | Bengaluru, India

- Implemented a service in Python to handle large volumes of Trade and Marketing data for Credit Risk Calculation using Apache Spark.
- Optimized the resource utilization by uniform distribution of workload across various compute nodes of the cluster.

Projects

UNIVERSITY OF WISCONSIN-MADISON | Student Researcher

Jan 2019 - May 2020 | Madison, USA

- Our work on "Beyond Fine-tuning: Few-Sample Sentence Embedding Transfer | Rohit Kumar Sharma*, Siddhant Garg*, Yingyu Liang" where we propose and analyze transfer learning approaches for text classification in NLP appeared in the AACL-IJCNLP 2020 conference.
- Researched on the efficacy of Adversarial Learning techniques to improve robustness to Natural Distribution Shift in data.

Education

UNIVERSITY OF WISCONSIN-MADISON

M.S. Computer Science

Sep 2018 - May 2020

Cum. GPA: 3.94 / 4.0

BITS PILANI

B.E.(Hons.) Computer Science

Aug 2012 - May 2016

Cum. GPA: 9.65 / 10.0

Coursework

GRADUATE

Machine Learning Maths
Big Data Systems
Deep Learning in Computer Vision
Data Science: Algorithms & Principles
Nonlinear Optimization
Advanced Algorithms Complexity

UNDERGRADUATE

Machine Learning & Data Mining
Artificial Intelligence
Information Retrieval
Operating Systems
Data Structures & Algorithms
Network Programming

Skills

PROGRAMMING

Proficient:

C# (Certified) • C++ • Python
Java • Shell • SQL

Familiar:

Android • HTML • MATLAB
LaTeX • R

FRAMEWORKS

PyTorch • TensorFlow
PySpark • Scikit-Learn
Elasticsearch • .NET Core
Microsoft Azure (Certified)