Rohit Kumar Sharma

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OBJECTIVE

Full-time Research and Development opportunity starting Summer 2020. Special Interest in Machine Learning.

EDUCATION

UNIVERSITY OF WISCONSIN-MADISON

M.S. Computer Science
Expected May 2020
Cum. GPA: 4.0 / 4.0

BITS PILANI

B.E.(Hons.) Computer Science
July 2016
Cum. GPA: 9.65 / 10.0

LINKS

Github:// **Rohit–Sharma**
LinkedIn:// **rohit–sharma**
Website:// **rsharma**

COURSEWORK

GRADUATE

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

Teaching Assistant:
Introduction to Artificial Intelligence

UNDERGRADUATE

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

SKILLS

PROGRAMMING

Proficient:
C • C++ • Python • C# *(Certified)*
Shell • Java • R • SQL Server

Familiar:
Android • HTML • JavaScript
LaTeX

Technologies:
PyTorch • Scikit-Learn
Elasticsearch • Apache Spark
Microsoft Azure *(Certified)*

EXPERIENCE

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.
- Built a dependency graph based on the hierarchy of steps in Index Production which helped estimate the impact in the Index Production.

MICROSOFT | SOFTWARE ENGINEER

Jul 2016 – Aug 2018 | Hyderabad, India
- Designed and developed highly scalable, multi-tenant Azure solutions, primarily using *Azure Logic Apps* and *Azure Function Apps* to drive cost optimizations and improve the time responses.
- Delivered a presentation for the *Cross Domain - Development Tools & Technologies (DEV)* track on **Fundamentals of Azure Container Service (AKS)** at *Microsoft Ready, Seattle*.
- Participated thrice in the annual *OneWeek* hackathon and developed solutions such as *Smart Farming* and *Cognitive Social Networking, iSocio*.

JP MORGAN CHASE & CO. | SOFTWARE ENGINEERING INTERN

Jan 2016 – Jun 2016 | Bengaluru, India
- Implemented a tool 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.
- Participated in a 24 hr *Codeathon* and developed *Hadoop File Analyzer* to view and scrutinize certain binary Hadoop file formats like *Parquet* and *Avro*.

UNIVERSITY OF WISCONSIN-MADISON | RESEARCH ASSISTANT

Spring 2019
- Proposed an alternative to fine-tuning sentence representations in the task of text classification using domain adaption of pre-trained representations.
- Experimental results demonstrate that the method leads in better performance on small datasets and comparable performance with much better computational efficiency on medium size datasets.

AWARDS

- Consistently placed in the top 5 among 700 students in all the semesters at BITS Pilani and received Merit Scholarship for the same.
- Secured 3rd Rank in Computer Science and 4th Rank in the University among the students graduating in 2016 at BITS Pilani.

EXTRACURRICULAR ACTIVITIES

Active Member	NSS (National Service Scheme), BITS Pilani Chapter
Volunteer	Nirmaan, an NGO founded by BITS Pilani
Core Member	Department of Security and Hospitality at Pearl
Technical Team Member	Computer Science Association at BITS Pilani