

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](#)

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:

TensorFlow • 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 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

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| 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 |