Akash Jain

Software Developer
Bangalore, Karnataka, India
(+91) 8770291610 | akashjain.iitm@outlook.com | akashjainIITM

Education

Indian Institute of Technology, Madras — *Chennai, India*
M.S. BY RESEARCH IN COMPUTER SCIENCE AND ENGINEERING : 7.6 CGPA, FIRST DIVISION — *July. 2015 - June 2018*

Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya — *Indore, India*
B.E. IN INFORMATION TECHNOLOGY : 70.2%, FIRST DIVISION — *July. 2008 - June 2012*

Skills

Languages: {Java}-Proficient, {Linux Shell Scripting, Go, Scala, JavaScript}-Competent
Big data & Blockchain Frameworks: Hyperledger, Apache Hadoop, Apache Spark, Apache GraphX, GoFFish
Other Frameworks and tools: {Git, Bitbucket, Jenkins, JIRA, Confluence, Docker, Maven, Gradle, IntelliJ, Eclipse IDE}, Basic - {AWS, NodeJS}
Version control tools: Git Bitbucket, Tortoise SVN

Work Experience

Oracle Financial Services Software - Application Developer 2 — *Bangalore, India*
R&D HYPERLEDGER BLOCKCHAIN TECHNOLOGY — *July 2018 - PRESENT*

- Worked on Hyperledger Chaincode in goLang, improving on logic, readability and efficiency of code
- Completed feasibility study of Apache Camel as a framework for the development of Java Adaptor to connect the blockchain
- Integrated and tested Hyperledger fabric with Java adapter while coordinating with cross office teams
- Mentored new hires to work on feasibility study of dynamic input through Apache camel

Computer Sciences Corporation India Pvt Ltd - Associate Professional: Product Developer — *Bangalore, India*
New Business Accelerator — *July 2012 - September 2014*

- Assisted in enhancing a CSC's in-house product nbA by completing the development and deployment of several modules
- Helped in setting up a local development environment to expedite debugging and development, thereby reducing the turn around time for new projects
- Cleared the Product Knowledge Framework Examination

Publications

DCEIL: Distributed Community Detection with the CEIL Score. — *A. Jain et. al*
19TH IEEE INTERNATIONAL CONFERENCE ON HIGH PERFORMANCE COMPUTING AND COMMUNICATIONS. HPCC2017 — *2017*

Academic Projects

Benchmarking of Distributed Graph Processing Frameworks — *Guide: Prof. R. Nasre*
MS PROJECT, IIT MADRAS — *September 2017 to June 2018*

- Designed and implemented community detection algorithm for temporal graphs on subgraph-centric graph processing platform and compared it against vertex and edge-centric graph processing platforms
- Evaluated the performance of machine learning libraries on platforms including GoFFish, Apache GraphX etc.

DCEIL: Distributed Community Detection with the CEIL Score — *Guide: Prof. B. Ravindran*
MS PROJECT, IIT MADRAS — *December 2015 to August 2017*

- Designed and Implemented a community detection algorithm, DCEIL, which detects communities in the large graphs better than state-of-the-art
- DCEIL is fast, scalable and maintains the quality of communities. It outperforms distributed Louvain algorithm by 180% in Normalized Mutual Information (NMI) Index
- DCEIL can be used in the detection of cyber-communities in social networks, recommendations based on the interest group, and estimating hidden features in a social network

Query Recommendation System for Wikipedia — *Faculty: Prof. Sayan Ranu*
COURSE PROJECT, IIT MADRAS — *July 2015 to Dec 2015*

- Computed **cosine similarity between TF-IDF vectors** of the query page and the Wikipedia corpus of size 8.1 GB
- Recommended Wikipedia pages for a given query using content similarity, page rank scores and previous query logs

Alumni Portal (CSC COIN : Collaborative Open Innovation Network) — *Guide: Prof. Bhavna Nigam*
BE PROJECT, IET DAVV INDORE — *December 2010 to November 2011*

- Developed an industrial project "Alumni Portal" for Computer Sciences Corporation India Pvt. Ltd., which helps to connect current and ex-employees of the company