Virendra Singh
Associate Software Engineer

Professional development experience in designing, building & maintaining software systems that have been successfully delivered to customers.

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EDUCATION

B.Tech Computer Science & Engineering with Specialization in Business Analytics & Optimization
UPES, Dehradun

2015 – 2019   *6.26/10*

WORK EXPERIENCE

Associate Software Engineer
SplashBI

01/2019 – 06/2020   *Hyderabad, India*
Achievements/Tasks

- Implemented & Debugged Java class library and updated previous frameworks for SplashBI analytics platform.
- Proactively reviewed code, analysed development process to drive continuous improvement, executed test plans and located root causes of problems by reviewing code, configuration files and logs.
- Developed understanding of and relationship with internal development partners on software systems design and development.
- Worked closely with global customers spanning six time zones to resolve functional and technical issues.
- Deployed challenging back-end and front-end of the product to build future of business process automation, by fixing bugs related to Java, Javascript and database queries.

Intern
GSOC - 2019 | The Apache Software Foundation

05/2019 – 07/2019
Achievements/Tasks

- The project involved development of statistical API using Java Streams and functional programming for Big Data processing.
- Successfully passed the first evaluation phase of the project.
- Gained experience in version control system (Git & GitHub) and worked on Apache Maven.
- Maintained coding standards as per guidelines thus reducing the complexity and improving maintainability of the code. Gained knowledge about programming check styles, unit testing with Junit framework.

SKILLS

Java   C   Python   MySQL   JavaScript
HTML   CSS   PHP   Eclipse   Git
Apache Maven   SplashBI   Oracle SQL Developer

PROJECTS

Real Time Video Surveillance & Image Monitoring System (08/2018 – 11/2018)
- The existing video surveillance systems do not pre-process the data, thus they report only the instances that are detected by a third party monitoring it.
- Thus this project deals with given still or video images of a scene, identify or verify one or more persons in the scene using a stored database of faces.

Optimized indexing of unstructured data for data lake environment (01/2018 – 04/2018)
- There is absence of metadata repository to handle unstructured data in Data-lake, as a result most data lakes actually look more like data swamps.
- The project's indexing approach technique was compared with Apache Lucene performance to handle unstructured data and significant results were obtained.

Development of R libraries and visualization of data points (08/2017 – 11/2017)
- Developed R libraries by setting up the communication between R vectors and the corresponding C types.
- Computed the space and time complexity while working on different platforms. Visualization of data obtained from the space and time complexity factors.

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

INTERESTS

Artificial Intelligence   Mindfulness   Cricket
Puzzles   Reading non-fiction books