Sreehari Hegden

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SUMMARY OF SKILLS

- Passionate programmer with 7 years of professional experience
- Strong analytic skills combined with experience in C, Java and object-oriented programming
- Experience in Big Data technologies - Hadoop, Spark and Cloud Computing with AWS

TECHNICAL SKILLS

- Languages: *C, Java, Python, MATLAB*
- Database: *MySQL, NoSQL databases (basic experience with DynamoDB, MongoDB)*
- Web Technologies: *HTML, XML, JavaScript, PHP*
- Operating Systems: *Windows, UNIX*
- Certifications: *Accenture Technology Academy Certification in Java*

EDUCATION

- **Master's in Computer Science** - University of Texas at Arlington, **GPA: 3.87** (May 2016)
  Thesis: A Data-Driven, Hospital Quality of Care Portal for the Patient Community
- Bachelor's in Computer Science - Mahatma Gandhi University, Kerala, India (May 2011)

EXPERIENCE

The MathWorks
Software Engineer in Test
Natick, MA
May '16 - Present

- Developed MATLAB Datastore API contract tests, saving significant test development time
- Implemented a fixture to spawn Spark execution environment in MATLAB for MapReduce
- Leveraged an internal REST API to build a web utility to keep track of tickets created
- Deployed two industry-grade Hadoop Clusters to perform Big Data workflows with MapReduce

The MathWorks
Intern, Software Engineer in Test
Natick, MA
Aug '15 - Jan '16

- Qualified core MATLAB data import-export functions for functional and performance issues
- Developed automated tests conforming to object-oriented principles across all three platforms
- Implemented scripts profiling popular import-export functions in MATLAB, Python, and R

Accenture
Software Engineer
Bangalore, India
Jun '11 - Jul '14

- Developed A2A, B2B, SOA integrations and RESTful web services in webMethods, a Java-based integration platform
- Participated in various phases of SDLC from design and development of interfaces to carrying them through testing and deployment
- Trained new hires on webMethods and Source Control Management practices in the team

ACADEMIC PROJECTS

Master's Thesis - A Data Driven, Hospital Quality of Care Portal for the Patient Community
Feb '15 - May '16

- Developed MediQoC (Medicare Quality of Care) web application with statistical modeling and visualization of the historical Medicare Claims big data
- Exploratory analysis, modeling correlation between attributes like length of stay and discharge status using Scientific Python
- Visualization module backed by Python and Bokeh for rendering ranking results to dashboard
- Technologies used: Python, pandas, NumPy, SciPy, Bokeh, HTML, JavaScript, Ajax, PHP, Google Geocoding API

'Weather Info' - a Cloud based Scalable Web Application
Nov '14 - Dec '14

- Dynamic web application deployed on Amazon Cloud
- Used HTML Geolocation and OpenWeatherMap API to fetch weather data at user's location
- Enabled Twilio's Amazon API Gateway to share weather information via SMS or phone call
- Technologies used: AWS Elastic Beanstalk, Java, HTML