

Full Stack Engineer

Charlotte, NC, USA
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SHARAN GIRDHANI

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🌐 [Online Portfolio](#)

WORK EXPERIENCE

Software Developer Intern at Schaefer Systems International, Charlotte, NC May 2017 – Current

- Write algorithms for multiple applications that handle **routing** for storage and pickup of the objects.
 - Control and optimize various processes in warehouse from manual to **fully automated systems**.
 - Writing complex database queries to handle the **data flow** among applications in an efficient manner.
- Technologies:** Java(+Hibernate, Spring), OracleDB(+SQL), Networks, SVN, CVS.

Software Engineer at CouponDunia Media Pvt Ltd., Mumbai, India June 2014 - July 2016

- Worked on a **Service Oriented Architecture** that consists of 7 different services interacting with each other using **REST APIs** in an **Agile Development Methodology**.
 - **Lead** a team of 4 web developers, that developed coupon and affiliate system for retail and restaurant sections.
 - **Designed and Developed** content management system(**CMS**) which includes audit processes, user management, performance report tools and miscellaneous smart web-applications.
 - Entire architecture was in **MVC** framework.
 - Created online algorithm tests on [HackerRank](#) and interviewed people for all technical hiring.
 - **“Sprint Champion”** twice and **“Employee of the month”** awards for project handling capabilities.
- Technologies:** PHP(Yii2, Yii), MySQL, MongoDB, JavaScript, Python, C++, AJAX, JQuery, CSS, HTML

EDUCATION

Master of Science in Computer Science (GPA-4.0) Anticipated December 2017

University Of North Carolina at Charlotte, Charlotte, NC

Bachelor of Technology in Electronics & Communication Engineering May 2014

International Institute of Information Technology (III-T), Hyderabad, India

Relevant coursework – Big Data and Cloud Deployment, Parallel Computing, Visual Analytics, Network Based Application Development, Mobile Development (Android), Knowledge Discovery in Databases, Database Systems.

TECHNICAL SKILLS

Languages	Java, C++, Python, PHP, JavaScript, Scala, CSS3, HTML5, Scripting (Bash ,Shell)
Libraries	ReactJs, D3.js, JQuery, Bootstrap, OpenMP
Frameworks	Hibernate, Spring, Android, Spark(+Streaming), Hadoop, Yii, Yii2, CodeIgniter, MPI, Pthreads
Databases	MySQL, OracleDB, Postgres, MongoDB, Redis, Spark-SQL
Tools	Tableau, KNIME, AWS, Eclipse, Git, SVN, Visual Studio Code, Sublime Text 2

PROJECTS

- **Real-Time YouTube Comments Analysis : (Scala, Spark Streaming, Kafka, Python)**
Sentimental analysis on comments data obtained from YouTube APIs. Using this analysis to build a dashboard which categorizes comments into different sentiments.
- **Efficient resource allocation for Daimler Trucks : (HTML5, CSS3, SVG, D3.js, Tableau 10.1)**
Developing an analytics dashboard using statistical and analysis methods on real time dataset provided by Daimler Trucks North America. Worked directly with the client manager in setting rules and visualizations.
- **BookMyRoom : (PHP (Yii2), MySQL, JavaScript, AJAX, JQuery, CSS3, HTML5)**
Built a web application for room reservation at UNC Charlotte as a tool to record all the events across campus and the amount of student participation in them.
- **Personal Portfolio : (ReactJS, Javascript, CSS3, HTML5)**
Built a single page static website as my personal portfolio using ReactJs. [\[source code\]](#)
- **Parallel Computing : (C++, OpenMP, MPI, MapReduce)**
Parallel Implementations of various algorithms, using both MPI(Distributed systems) and OpenMP (Shared Memory) libraries (C++), along with basic MapReduce algorithms.
- **Mobile Application Development : (Android, Java)**
Multiple minor mobile applications to understand and develop Android workflow using Java. [\[examples\]](#).
- **Association Rules – Data Mining using ARAS: (Java, Java-Swing)**
Developed automated system for processing mining rules on any given data set.

Publication

Information Theory in Management and Organizational Hierarchies published in International Conference on Soft Computing & Machine Intelligence (ISCMI). Optimal secure hierarchy, Source Coding, Kraft's Inequality. [\[Link\]](#)

Certifications

- Big Data Specialisation by UCSD, Coursera (5/6)
- Python Specialisation by Univ. Of Michigan, Coursera