Shilpa Mandala

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EDUCATION

Robert H. Smith School of Business, University of Maryland, College Park, MD   Expected: Dec 2016
Master of Science in Information Systems   GPA: 3.6
Relevant coursework: Data Models, Decision Analytics, Google Analytics, Project Management, Business Process Analysis

GITAM University, Andhra Pradesh, India   May - 2012
Bachelor of Engineering in Information Technology   GPA: 3.5
Relevant coursework: Database Management Systems, Data Networks, Java, Javascript, Operating Systems

PROFESSIONAL EXPERIENCE

Group 10
Software Developer and Analytics Intern   May 2016 - Present

- Developed Agnes, an app that actively matches students to events, groups and people on campus based on shared interests. (http://agnes.io/)
- Designed a Mongo database and created APIs for back-end connectivity using MEAN stack architecture.
- Created usability testing guide for our target audience to analyze user interaction and perception to enhance features.
- Formed a business strategy to promote the app and leveraged mobile analytics to measure and optimize user engagement.

Tata Consultancy Services Ltd - Client: Cigna
Software Developer   June 2012 – May 2015

- Worked on Cognos Framework Manager by importing metadata from different sources and defined Dimension Hierarchy, Star Schema Grouping and published packages in multi-user environment.
- Developed data cubes using Cognos Cube Designer and supported Dynamic cubes to help create critical reports for Finance IT and improve decision making.
- Hands on experience in analyzing data and designing ER models to create medium sized relational databases.
- Worked on SQL database updates to provide support for applications and automated processes to reduce effort by 20%.
- Managed 12 vendor applications; implemented over 15 major upgrades on in-house servers to keep systems up to date.

Back up Project Lead   August 2013 – March 2015

- Handled project and account level activities like audit reporting and monthly metrics ensuring 98% compliance to processes.
- Reported weekly status for all 5 teams with over 23 associates to client and helped maintain and improve efficiency.
- Leveraged Lean Maintenance to quantify team's logged effort v/s tasks completed; increased productivity by 8% pa.

ACADEMIC PROJECTS

Scrum Project Management - Madieu Williams Foundation   February 2016 – April 2016

- Designed and developed a sports website for the client using PHP, HTML/CSS with an SQL database on IBM Bluemix tool.
- As a scrum master, supported the scrum team to perform well, removed impediments and facilitated meetings.

Google Analytics and Adwords – Dept. of Student Affairs, University of Maryland   February 2016 – April 2016

- Studied the website's user traffic stats and developed an online advertising strategy to improve the client's web presence.
- Made recommendations to improve web content and navigation while expanding target audience for higher conversion rate.

SKILLS AND CERTIFICATIONS

- **Software skills**: MongoDB, NodeJS, ExpressJS, AngularJS, PL/SQL, PHP, HTML5, CSS, C++, Javascript, UNIX
- **BI & Analytical tools**: IBM Cognos 9.2/10, R, MS Excel Addins - Stat tools, @Risk, Precision Trees, Solver
- **Concepts**: Data Models & Optimization, Linear Programming, Regression Analysis, Agile methodology, Ionic framework.
- **Certifications**: Google Adwords, Google Mobile Analytics