Damini Ganesh

Personal Info

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github.com/dganesh07

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Programming languages

Java

Python

Web Development Technologies/Frameworks

HTML

CSS

JavaScript

jQuery

Bootstrap

React.js

JSP

Servlets

Swing

Applications

Git

Eclipse

Microsoft Visual Studio

Apache Tomcat

Jupyter Notebook

Anaconda

IntelliJ IDEA

Webpack

Database

MySQL

SQL server

MongoDB

Oracle Database

MS Access

Graduate student looking for full-time opportunities as a developer.

Experience

2017-10 - present

JavaScript Developer
Illinois Institute of Technology, FAMIS department

- Customizing the Planon application, a global IWMS software, to make it more suitable for the facilities and maintenance department.
- Working with Planon Accelerator and Dashboards to analyze and interpret real-time information. Used ES6 and HTML5 to make the user interface clear, concise, consistent and responsive.

2017-01 - 2017-09

Technical Support Student Worker
Illinois Institute of Technology, OTS

- Assisted students, faculty, and staff with various technology issues. Provided technical support via FootPrints, phone calls, emails, and face-to-face walk-ins. Remotely troubleshoot and install software.

Education

2016-08 - present

Illinois Institute of Technology, Chicago, IL

- Masters of Computer Science
- GPA - 3.4

2012-08 - 2016-05

Visvesvaraya Technological University, Bengaluru, India

- Bachelor of Engineering, Information Science & Engineering
- GPA - 3.56

Projects

Enterprise Web Applications
Developed a Web-Based application that is flexible, extensible and reusable using object-oriented design principles and MVC architecture.

Object-Oriented Design Patterns
Designed and developed a Java Swing application to simulate an animal farm following GOF Design Patterns to provide a general repeatable solution to a commonly occurring problem in software design.

Software Systems Architecture
Designed and implemented a Gas pump system using Model-driven architecture and design patterns such as state, abstract factory, and strategy.

Computer Networks
Implemented a link-state routing protocol using Dijkstra's algorithm which calculated the Open Shortest Path from source to destination; including the number of hops in each route.

Dynamic Resolution of Image Edge Detection
Developed an application to find object boundaries in an image using various edge detection techniques and dynamically choose the best-suited edge detection algorithm for the particular image.

Advance database organization
Implemented a storage manager that allowed read/write of memory blocks to/from a file on disk. Also, a buffer manager that managed them in memory.

Activities

International NodeBots Day, Microsoft Technology Center | Chicago Node.js
Built a NodeBot, which was wirelessly controlled using JavaScript Robotics and Iot platform.