

ADARSH VIJAYAKUMAR

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SUMMARY

Computer Science graduate from Illinois Institute of Technology seeking a full-time position. Specializing in full stack software development, well-versed in all stages of the Software Development Life Cycle from idea to development to delivering the completed product. Look forward to working as a software engineer.

EDUCATION

Illinois Institute of Technology (IIT), Master of Computer Science – (2018 – 2020) | GPA: 3.7

CORE COMPETENCIES

- Web Applications development
- Algorithms & data structures
- System Design
- Object Oriented Programming
- Big Data Technologies/REST APIS
- Object-Oriented Design

TECHNICAL SKILLS

Programming Languages: Python, Java, J2EE, C, C++

Web Technologies: HTML5, CSS3, Bootstrap v4, JavaScript, AJAX, Spring, XML, Json, Django

Databases: MySQL, Postgre SQL, Mongo DB

Design Principles: OOD, Design Patterns, System Design, MVC, Agile Methodology – Scrum, Kanban

Other: Git, Linux, Azure, SDLC life cycle, TCP/IP, UDP, ARP, HTTP

WORK EXPERIENCE

Research Assistant - Illinois Institute of Technology, Chicago, IL

Jul 2020 – Present

- Contributing to an interactive web application to support and manage the digital library of various resources.
- The application is built using the **MERN stack** with a decoupled reactive UI and a robust **RESTful** API.
- UI is a SPA dashboard that is stateful, intuitive and responsive, built with React JS, Redux state management and Bootstrap

Associate Software Engineer - SAIRAG International, Bangalore, India

Oct 2016 – Jun 2018

- Worked on the internal portal using Python Django framework to replace the existing CRM in Microsoft Excel. This increased the productivity as it was integrated with the partnered e-commerce website indiamart.com.
- Developed test suite using python for the single head computerized embroidery machine.
- Troubleshooting, bug fixes, and proper code documentation - achieved **maintainability** and **serviceability** of the project.

PROJECTS

Social & Professional Networking Web Application – HIRED (Java/J2EE, Apache Tomcat, MySQL, MongoDB, Python, HTML, CSS):

A social & professional networking Java servlet based web application. A user can be an applicant, recruiter, or admin.

Supports job posting, job listing, job withdraw, etc. The network connection graph is shown in real-time using twitter data.

MySQL and Mongo DB are used in CRUD operations. [GitHub Link](#)

E-Commerce Enterprise Web Application - Best Deal (Java/J2EE, MySQL, Apache Tomcat, MongoDB, Python, HTML, CSS):

A web application that is similar to Amazon & Walmart. A user can be a customer, retailer, or store manager. Implemented

auto-complete in search, data analytics tasks, carousel and many more. Mongo DB is used to handle customer reviews, MySQL is used for CRUD operations. [GitHub Link](#)

Gesture Recognition for Interactive Systems: (C#, XAML): Mouse functionality is emulated by freehand gestures. Multi-user system and users are authenticated using face recognition. Can be used to control multimedia and presentation functionalities. [GitHub Link](#).

AdarshVijayakumar.github.io: (Javascript, JQuery, HTML5, CSS/Bootstrap): Personal website project. Hosted in GitHub, contains a holistic view of my work where all my projects, research and other works are shown. [Website Link](#)

OTHERS: Consistent Problem Solving, Analytical Skills, Fast Learner, Self-disciplined, Appetite to learn and Desire to improve