HARSHITH DESAMSETTI

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WORK EXPERIENCE

Department of Computer Science, Northern Illinois University, DeKalb, Illinois, USA   (January 2018 to Present)
Graduate Teaching Assistant, Working with Prof. Amy Byrnes and worked with Dr.James Leon, Prof. Georgia Brown

- Graduate Teaching Assistant for **CSCI 322/522 Android Mobile Device Programming** which is a **Graduate** as well as an **Undergraduate** course. I have also worked for **CSCI 240 Introduction to C++**. I have effectively handled and helped over **400 students** both in Graduate and Undergraduate disciplines regarding their coursework.

Krypton Media Labs and Evolution Incubators, Vijayawada, India   (July 2015 to June 2016)
Junior Software Developer

- Primary duties of the position included creating Single Page Applications based on open source frameworks like BootStrap, HTML 5, PHP and MySQL as a part of Web Development team. Developed Responsive Web apps that can run on any smart phones.
- Experience in all phases of Software Development Life Cycle. Worked in Agile Environment with 2 Week Sprints using SCRUM on complex Software Projects to increase productivity, speed and flexibility along with increased visibility in Team's progress.
- Created several GUI based applications using Java FX, C#, VB.NET and MySQL based on the Client's requirements.

PAJ World Software Solutions, Hyderabad, India   (July 2016 to November 2016)
Software Development Intern and Interns Team Lead

- Completely experienced the **entire SDLC** as an Intern with a Strong Development team in the project In Depth Analysis and Design of Hostel Management System and used **Agile methodology** to solve a **Real time problem** in Hyderabad city, India. Also, took up the role as the Interns Team Lead which added some additional responsibilities and management skills.
- Tested the application thoroughly before deploying the patch to the production systems.

TECHNICAL SKILLS

Languages: Java, C++, C#, C, Python, Swift
Web Development: JavaScript, HTML, Bootstrap, NodeJS, AngularJS, Spring Framework, jQuery, Express, PHP, XML
Application Development: Android Applications Development, Swift iOS Development, Design Patterns, REST
Databases: MongoDB, Microsoft SQL Server, SQLite, PostgreSQL
Frameworks & Other: Hibernate, .Net, RDBMS, Agile SDLCs , Git, JSON, Project Management, XP, Continuous Delivery
Developer Tools: IntelliJ, Android Studio, XCode, R-Studio, Jupyter, MySQL Workbench, Eclipse IDE, Visual Studio

PROJECTS

NIU Campus Walk IOS Application(MapKit, CoreLocation, Swift 4,XCode 9.4) Northern Illinois University, DeKalb, Illinois

- This **IOS application** can be used to understand about the **Northern Illinois University Campus**. The target audience are the Prospective NIU Students and their families. JSON data has been used to get the coordinates, pictures to display stops and about all the buildings the user wants to see. Several features such as choosing which buildings to visit has been implemented by using Switches, Tab bar controller etc. Also, Core Motion has been used to track the steps the user has taken.

NIU Roommate Finder and Temporary Accommodation Helper Web Application (Currently Working) Northern Illinois University, DeKalb, Illinois

- A **Web Application** is specifically being designed for International students to solve the problem of finding roommates and in finding a temporary accommodation when needed. Some of the tech stack being used is MongoDB, NodeJS, Express.

Customer Relationship Management System Northern Illinois University, DeKalb, Illinois

- Designing a Customer Relationship Management System using Spring along with Hibernate CRUD features and AOP helped to practice the concepts intensively and opened the possibilities of applying the knowledge in newer projects.

Interactive Prototypes for Flight Parts Manufacturing Company Northern Illinois University, DeKalb, Illinois

- Designing a Functioning System for Flight Parts Manufacturing Company by discovering and analysing the requirements and implement the required basic functions like adding parts, generating different types of reports and displaying to the users by using MS Access gave an idea about generic systems designing techniques used in the industry.

In Depth Analysis and Design of Hostel Management System PAJ World Software Solutions Pvt.Ltd, Hyderabad, India

- Implementing a much-required Dorm management system specifically at that area and involving in the entire project life cycle which included requirements gathering and analysis, developing, debugging, testing and deploying it gave a hands-on practice opportunity at various aspects in Software Engineering like Waterfall and Agile methodologies.

EDUCATION

- **Northern Illinois University,** DeKalb, Illinois   **Master of Science, Computer Science**   **GPA: 4.0/4.0**
  Specialization in **Databases and Software Engineering**
- **Koneru Lakshmaiah University**, India   **Bachelor of Technology, Computer Science**   **GPA: 3.7/4.0**
  Specialization in **Knowledge Engineering**

CERTIFICATIONS & ACADEMIC ACHIEVEMENTS

- **Microsoft 70-486 Developing ASP.NET MVC Web Applications Certification.**
- Published 3 International Journals on Security Increasing in Cloud based Systems and on Issues in Cloud Computing.