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.

PAJ World Software Solutions, Hyderabad, India   (July 2016 to November 2016)
Software Development Intern

- Completely experienced the **entire SDLC** as an Intern with a Strong PHP 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.

South Central Railways, Vijayawada, India   (May 2015 to July 2015)
Web Development Intern

- Experienced Industry standard Web Service technologies by interning with **South Indian Government Central Railway** Department in digitizing their entire information using PHP, HTML,CSS, Bootstrap, JavaScript and MySQL.

TECHNICAL SKILLS

- **Languages:**   Java, C, C++, C#, JavaScript, Python, Swift
- **Web Technologies:**   NodeJS, Express, HTML5, Bootstrap, jQuery, RESTful
- **Application Development:** Android, iOS Development
- **Databases:**   MongoDB, MySQL
- **Frameworks & Other:**   Agile SDLCs, XP
- **Developer Tools:**   IntelliJ, Android Studio, XCode, MySQL Workbench, 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 Web Application 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. The technologies being used include MongoDB, Express, React & NodeJS.

Customer Relationship Management System Northern Illinois University, DeKalb, Illinois

- Designing a Customer Relationship Management System using Spring MVC 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   CGPA: 7.96/10**
  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.