HARSHITH DESAMSETTI

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EDUCATION

- **Northern Illinois University,** DeKalb, Illinois   **Master of Science, Computer Science   GPA: 4.0/4.0**
- **Koneru Lakshmaiah University**, India   **Bachelor of Technology, Computer Science   GPA: 3.7/4.0**

WORK EXPERIENCE

Software Engineer, Tata Consultancy Services, Chicago, Illinois, USA   (August 2019 to Present)
- Currently working at United Airlines for a Client facing iOS Mobile application used by several agents.
- The tech stack includes Swift, Objective C along with various frameworks and several supporting applications.

Teaching Assistant, Department of Computer Science, NIU Illinois, USA   (January 2018 to May 2019)
- TA for **CSCI 322/522 Android Mobile Device Programming**, a **Graduate** as well as an **Undergraduate** course.
- I have also worked for **CSCI 240 Intro to C++**.I have effectively helped over **400 students** disciplines as a TA.

Software Development Intern, PAJ World Software, Hyderabad, India   (July 2016 to November 2016)
- Involved in the **entire SDLC** with a Strong Development team in the project, In-Depth Analysis and Design of Hostel Management System. We have used **Agile methodology** to solve a **Real-time problem** at Hyderabad, India.
- Also, took up the role as the Interns Team Lead which added some additional responsibilities and learned some Management skills. Used MVC pattern and follow agile methodology for developing the application.
- Tested the application thoroughly before deploying the patch to the production systems.

Web Development Intern, South Central Railways, Vijayawada, India   (May 2015 to July 2015)
- 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.
- Designed and developed 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 phones.

TECHNICAL SKILLS

- **Languages:**   Java, Swift, C#, C, C++, JavaScript, Python
- **Web Technologies:**   NodeJS, Express, HTML5, Bootstrap, jQuery, PHP, XML, RESTful Routing
- **Application Development:** iOS, Android Development
- **Databases:**   MongoDB, MySQL, SQLite
- **Frameworks & Other:**   Agile SDLCs, Git, XP
- **Developer Tools:**   XCode, IntelliJ, Android Studio, MySQL Workbench, Visual Studio

PROJECTS

NIU Campus Walk IOS Application (Swift 4, Objective C, MapKit, CoreLocation, XCode 9.4)
- This **IOS application** can be used as a personal assistant to understand about the **NIU Campus.**
- The target audience are the prospective NIU Students who would like to join NIU and their families.
- The JSON data has been used to display geo elements like stops and about all the buildings the user wants to see.

NIU Roommate Finder and Apartment Finder Helper Web Application (Currently Developing) (MERN Stack)
- Designing a **Web Application** for International students to solve the problem of finding roommates and a temporary apartment when needed. The tech stack being used is MongoDB, Express, React and NodeJS.

In Depth Analysis and Design of Hostel Management System (LAMP Stack) (PAJ World Software Solutions)
- 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.

Customer Relationship Management System (Spring Boot, Java, Hibernate)
- Designed a Customer Relationship Management System using Spring, Hibernate CRUD features and AOP.
- This helped to practice the concepts intensively and opened the possibilities of creating newer projects.

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.