

RIYA SINGH

Riya@knights.ucf.edu
<https://github.com/EPro30>
Orlando, FL
Ph: 407-751-0028

Objective

Seeking internship in Software development industry to utilize and improve the computer science knowledge and programming skills.

Summary

- Analytical, detail oriented with strong organizational skills; work diligently on complex projects.
- Excellent interpersonal communication, time management, and problem-solving skills.
- Quickly learn and master new technology, equally successful in both team and self-directed settings.

Education

Bachelor of Science Degree in Computer Science, GPA: 3.8 **Expected Graduation:** Spring 2024
University of Central Florida – Orlando, FL

Skills

- **Programming languages:** C, C++, C#, Java, Python, HTML, JavaScript, CSS, Haskell, ReactJS, TypeScript, NodeJS
- **Design Tools** : Microsoft Word, Excel, PowerPoint, Notepad++, DevC++, Visual Studio, Visual Studio Code, Eclipse, Git, Unity, IntelliJ, MobaXterm, Bootstrap, UML
- **Database Management** : SQL Server, JDBC, REST API
- **Operating Systems** : Windows, Linux (Ubuntu)
- **Related Coursework** :
 - Computer Science (I – C language & II – Java)
 - Discrete Structures
 - Object Oriented Programming language
 - System Software

Projects

Current Project: Contact Manager – Full-Stack group project

- Creating a web app to manage multiple contact information.
- Stores user information on MySQL server.
- Utilizes LAMP Stack.
- Enables users to login and create new account.
- Allows users to create, read, update, and delete contacts.
- Interactive UI supports gradient background and dyslexic fonts.
- <http://cscop4331c.com/>

Current Project: Online Portfolio

- Creating an online Portfolio using ReactJS.
- Displays home, about, project, and contact page.
- <https://epro30.github.io/Portfolio>

Two-Tier Client-Server Application Development

- Developed a Java-based GUI front-end (client-side) application that will connect to MySQL server via JDBC.
- Allows a client to execute commands against a remote database.

Online-Shopping Simulator – Using Java

- Interactive even-driven Program.
- Enables users to search and purchase an item in the given inventory.

- Generates log file for successful transactions.

GUI To-Do list – Using Java

- Interactive UI To-Do list application for organizing daily-tasks.
- Enables users to create, edit, mark, filter and remove multiple tasks (with due dates).
- Stores and loads the lists from an external storage.

Banking Simulator – Using Java

- Developed an application which requires cooperating, synchronized multiple threads of execution (auditor, depositor, withdrawal).
- Utilizes locks to control bank account balance.

Pick & Drop objects – Using C#

- Designed an interactive game on Unity which includes First Person and local player controller.
- Utilizes the C# programming skills to specifically pick and drop game objects.

PL/0 Compiler – Using C

- Processes and executes code written in the PL/0 language.
- Creates a token list and lexeme table to lexically analyze language syntax using recursive descent logic.
- Parses the tokens and creates intermediate assembly code for the virtual machine.

Community Service

- **Seminole County Public Library (100 hours)**
 - Organized books
 - Coordinated Puppet shows for kids
 - Decorated the library for seasonal festivals
- **Hindu Society of Central Florida (15 hours)**
 - Prepped sandwiches for homeless kids
 - Decorated the Temple Hall for various events
- **BETA Club (25 hours)**
 - Managed various stalls at marathons.
 - Tutored high school students

Organizations

- **eXtended Reality & Training (XRT) Lab**
 - Participated in Full-scale Assembly Benchmark Study with XRT lab.
 - Worked on several self-developmental Unity Project under the guidance of Dr. Ryan McMahan
- **The National Society of Leadership and Success**
 - The NSLS is an organization provides leadership program to helps students create a positive impact in their communities.
 - Nomination for membership was based on academic history.
 - Earned Orientation and Leadership Training Certificate
- **Google Developer Student Club**
 - Member since 2021
 - Attended coding workshops.
 - Working on self-developmental projects

Immigration Status

- U.S. Citizen