



Sri Pragna

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CAREER PROFILE

Dedicated **Computer Science** student at **University of North Texas** graduating in **AUG 2022** from ABET accredited program. Seeking an **entry-level Software Developer or internship position focused** on creating and developing software. Skilled at coding, programming, data structures and algorithms.

EDUCATION

University of North Texas | Denton, Texas

GRAD AUG 2022

Masters of Science | Computer Science | ABET accredited (undergrad only)

Bachelor of Science | Computer Science | Methodist College of Engineering

GPA: 3.5

Relevant Course Work: Software Engineering, Usability Testing, Analysis of Algorithms(Dynamic Programming), Big data science

TECHNICAL SKILLS

Software: Visual Studio | UML | Git | Microsoft Office Suite (Excel, Outlook, PowerPoint, Word) | Matlab.

Programming Languages: Java (Advanced) | C (Advanced) | Python (Intermediate) | C++ (Intermediate) | HTML(Advanced) | CSS(Advanced)

Frameworks: Spring Boot (Intermediate) | React (Intermediate) | Django (Intermediate) | Node (Intermediate) | Angular (Intermediate)

Scripting Languages: JavaScript (Intermediate)

Hardware: Breadboard Circuit Design | Raspberry Pi

Cloud: AWS, Azure, PCF, IBM WAS, Docker, Kubernetes

Build Tools: Maven, Gradle, Jenkins

Testing Tools: Junit, Mockito, Karma

Version Control: GIT, CVS

Operating Systems: Windows | Linux | MacOS | Android

ENGINEERING PROJECTS

Accounting App (Side hustle)

Nov 2018 – In progress

- Developed an Android mobile App Using Java programming Language and SQLite Database.
- Saved over 300 employees from tedious task of handwriting daily accounts.
- Implemented UI of the application using XML and java libraries.
- Created new UI feature of dynamic generation of text boxes upon user requirement request.
- Implemented java Core Concepts, Object -oriented programming, multithreading, exception handling etc.
- Developed the schema, triggers, procedures for the database.
- Implemented report generation using adobe acrobat API.
- Responsible for the writing API call in the Gradle file and implementing it.
- Now working on migrating the database from SQLite to AWS for better user experience.

E-Commerce Website

May 2022

- Developed Spring boot web application.
- Implemented the UI of the website using Angular.
- Utilized REST API for Configuration and STRIPE API for the payments.
- Deployed functionalities like search product by category, save for later
- Implemented CRUD operations and pagination on MYSQL Database
- Used Git for Version Control

Empirical Analysis

March 2022

- Implemented Statistical test like Linear regression, chi- square on a dataset with 16000 records
- Visualized all the data using python pyplot library in Jupyter notebook.
- Used MATLAB for mathematical calculations and Simulink for graphical representations.
- Constructed test cases on the dataset.
- Implemented Python, ML algorithms to derive solution to test cases.

Online Examination System

Sep 2021- DEC 2021

- Created a website UI using HTML, CSS, and java Script.
- Implemented the functionality of the website using PHP.
- Deployed a MYSQL server that stores the student and faculty information and hosted on local host.
- Tested and debugged program to ensure projects and technology are met given requirements and quality standards.

MARKET PLACE

May 2021

- Collaborated with a team of 4 and developed a website.
- Implemented the UI of the website using HTML, CSS and JavaScript.
- Implemented the functionality of the website using node.js.
- Deployed MySQL Server to store the data in the database.
- Deployed the application on Apache tomcat Server.
- Implemented Junit Automated testing.

Cyber Security Project

March 2021

- Created a venerable website to demonstrate different types of cyberattacks and preventive measures.
- Implemented UI pages of the website using HTML, CSS, java Script.
- Implemented Cyber Attacks on the MYSQL database.

SKIP THE Queue (Self_checkout_app)

May 2019

- Lead and Managed a team of 3 and developed a cheaper model of Amazon go.
- Used **Agile methodology and SCRUM** meetings are conducted to understand the status and resolve any issues for the development of application.
- Created an Android mobile application that scans the products bar code and fetch the details of the products; makes you complete the billing by yourself and make payment online.
- Implemented the UI of the application using XML and java libraries.
- Implemented functionality of the application using OOPS concepts,multi-threading and Exceptional handling.
- Implemented Google, Apple sign in feature with help of API's.
- Utilized Firebase(NO SQL) as the database, Stripe as the payment portal and saved 45-minute wait on average for the customer.

Soft Skills

- Have Demonstrated analytical and problem-solving skills
- Have Strong verbal and written communication skills
- Have Ability to work in teams and collaborate effectively with people in different functions
- Have Strong time management skills that enable on-time project delivery
- Have Ability to build strong, influential relationships
- Have Ability to work effectively in a fast-paced and rapidly changing environment
- Have Ability to take the initiative and drive for results
- Have Strong customer service skills
- Demonstrated ability to handle multiple priorities
- Have Ability to handle ambiguity
- Have Ability to comprehend complex technical challenges

TRAINING AND CERTIFICATIONS

Attended Arduino Brain wave Workshop

https://drive.google.com/file/d/1JteD3Mw_sCHSoBDfhb2dUOkjMkeJNU7P/view?usp=sharing

Finalist in NASA SPACE APP CHALLENGE (project: Driver's Heart Monitoring System using Arduino)

<https://drive.google.com/file/d/1d27cnNy2TefewacT30QpQufXbJzOm5Qd/view?usp=sharing>

Completed Python For Everybody Specialization

<https://www.coursera.org/account/accomplishments/specialization/certificate/7KB7X6V9PZTY>

Amazon Associate Developer Certification

Microsoft Excel Certification

<https://www.udemy.com/certificate/UC-4c4e4d08-dbc5-4a82-96ef-048e3e5b65b5/>

HOBBIES/VOLUNTEER EXPERIENCE

Video games, Reading Murder mystery novels by Agatha Christie and Conan Doyle.