Model Program Book

SHORT-TERM INTERNSHIP

(On-Site/Virtual)

Designed & Developed by

ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION
(A STATUORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

An Internship Report on

SALESFORCE INTERNSHIP

Submitted in accordance with the requirement for the degree of

III B.Tech I Sem

Under the Faculty Guideship of

_____

Department of

INFORMATION TECHNOLOGY

Submitted by:

RAMA SAI RAHUL GEDELA

Reg.No: 20VV1A1217

Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education **https://apsche.ap.gov.in**

1. It is mandatory for all the students to complete 2 months (180 hours) of short- term internship either physically or virtually.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
9. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
    a. Data and Information you are expected to collect about the organization and/or industry.
    b. Job Skills you are expected to acquire.
    c. Development of professional competencies that lead to future career success.
11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.

<<@>>

Student's Declaration

I, _____RAMA SAI RAHUL GEDELA___a student of ___ ___ III B.Tech __ ___ Program, Reg. No. _20VV1A1217_ of the Department of____JNTU-GV _ College do hereby declare that I have completed the mandatory internship from _AUGUST_to _OCTOBER_ in ___SALESFORCE____ (Name of the intern organization) under the Faculty Guideship of _____ (Name of the Faculty Guide), Department of _____, _____ (Name of the College)

(Signature and Date)

Official Certification

This is to certify that RAMA SAI RAHUL GEDELA Reg. No. 20VV1A1217 has completed his/her Internship in SALESFORCE on SALESFORCE DEVELOPER under my supervision as a part of partial fulfillment of the requirement for the Degree of INFORMATION TECHNOLOGY in the Department of JNTU-GV.

This is accepted for evaluation.

(Signatory with Date and Seal)

Endorsements

Faculty Guide

Head of the Department

Principal

Certificate from Intern Organization

In Partnership With

SMARTBRIDGE

PARTNER

AICTE

Smart Internz

CERTIFICATE OF COMPLETION

December 06, 2022

Rama Sai Rahul Gedela

Salesforce Developer Virtual Internship

During the 8 Weeks period of Virtual Internship **(August-October 2022),** Rama Sai Rahul Gedela has completed the following Salesforce Trailhead modules

Salesforce Fundamentals
Organizational Setup
Relationship & Process Automation
Types Of Flows & Security
Apex, Testing & Debugging
VS Code Setup & CLI Setup
Lightning Web Components (LWC) & API

Super Badge - Apex Specialist
Super Badge - Process Automation Specialist

Certificate ID: SISFVIPAD2022-38950 | Verify this certificate @ https://smartinternz.com/internships/salesforce_certificates/c42a8043cc32fb7bd1fed9fa9cf4997b

Shri Buddha Chandraseker
Chief Coordinating Officer(CCO), NEAT Cell-AICTE

Prof K. Hemachandra Reddy
Chairman, Andhra Pradesh State Council for Higher Education

Mr Amarender Katkam
Founder & CEO, TheSmartBridge & SmartInternz

Acknowledgement

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CHAPTER 1: EXECUTIVE SUMMARY

Mandatory tasks

- LinkedIn Profile Improvement - Improve your professional profile on LinkedIn. It is MANDATORY FOR ALL.
- Peer-evaluation (mandatory for all): Watch and comment on the at least 5 task videos on LinkedIn posted by fellow interns.

1.1 App development

Introduction to App development:

Types of app development using app development software:

When creating apps, many organizations turn to app development software to save time, retain control, and build at scale. When choosing the software, you'll want to make sure it supports the direction you're going to bring your idea to life. Here are some different approaches to consider when using app development software.

Custom app development:

Most app low-code development software allows for some customization. Even if those customizations are beyond your skillset, it'll still be easier for your IT team to make minor adjustments for you, rather than building the app from scratch.

Low-code app development (LCAD):

The LCAD approach (also known as rapid app development—RAD) follows the agile project management strategy often used in software development. This method speeds up the app development process by building individual elements of the application simultaneously. Once you build out the separate parts of the app, you assemble them into the finished product. App development software uses intuitive interfaces, drag-and-drop features, and guided scripting to make low-code app development possible.

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

2.1 About The Salesforce Foundation :

Salesforce is a leading cloud technology company with multiple Software as a Service (SaaS) and platform as a service (PaaS) products, and a complementary suite of enterprise applications. Its focus on customer service, marketing automation, and analytics; together with a seamless environment for application development and improvement, has made it the ultimate go-to platform for product development around customer needs.

The goal is simple.

– to leverage customer, sales and market data

– to create more engaging marketing content and channels

– sell more and faster

– support a better customer experience

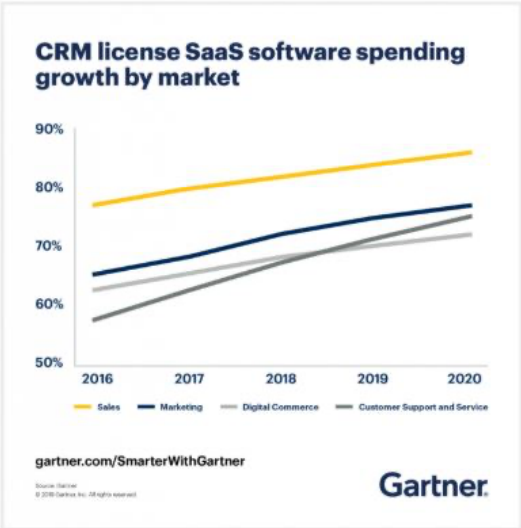
– bring innovation with technology use

– enable the building of apps within the system for every business role

2.2 Reasons to Learn Salesforce

The Salesforce platform dominates the world market, with over 150,000 companies powering their business growth with Salesforce. From small businesses to tech giants like Google and Facebook, firms are using their suite of services and products to solve business problems. Industries across the spectrum have adopted Salesforce for their everyday processes and work needs. Salesforce jobs are plenty, and the scope for Salesforce careers is vast.

According to a study by Gartner, businesses of all sizes are switching from on-premise to cloud deployments. It's predicted that in 2019, investments on SaaS will reach approximately $42 billion.



CHAPTER 3: INTERNSHIP PART

3.1 App development

Features of app development are Easy to code, Customizable , Fast, Scalable, Connected, AI-enabled, affordable.

Selected intern's day to day responsibilities include:

1. completing the modules as per the description provided in the module

2. attending the quiz related to what was done and by getting 50% will get us a certificate.

3. The skills that we use in this process are java , kotlin , react.js , react.native , ui design

Skill(s) required

1. Java 3. kotlin
2. React.js 4. React.native 5. Ui design

Task chosen: app development using java ,kotlin,react.js by salesforce community.

Skills acquired: 1. Java 2. kotlin 3.react.js 4. React.native 5. Ui design

CHAPTER : 4 ACTIVITY LOG AND WEEKLY REPORTS

4.1.1 ACTIVITY LOG FOR THE FIRST WEEK

WEEK – 1 (From Dt…….…. to Dt .....)

Objective of the Activity Done:

The main aim is to improve LinkedIn profile and develop networking. Along with this learning the required concepts for finding solution to the problem statement mentioned.

Day & Date	Brief description of the daily activity	Learning Outcome
Day – 1	The aim of this task is to have a strong professional profile on LinkedIn. I sent connection requests for different people across the world.I added "Open to Jobs and Internships" as my current position. Added "Intern at The Sparks Foundation" in your profile headline and all The Sparks Foundation as mycurrent company in the work experience section.	LinkedIn profile improvement
Day - 2	I have registered in smart internz and logged in to trail head community	Smartinternz registration and trailhead community login
Day – 3	I learned the basics concepts of app development by seeing videos in YouTube and browsing in the internet.	App development concepts
Day – 4	I learnt about what were the modules involved in the procedure and saw some sample videos regarding it.	Modules involved
Day – 5	I learnt there were super sets along with these modules that are need to need to be known.	Super sets and description
Day –6	I have looked some videos to get much aware of super sets .	concepts of super sets explaination.

4.1.2 WEEKLY REPORT

Detailed Report:

- The aim is to have a strong professional profile on LinkedIn. I sent connection requests for different people across the world. I added "Open to Jobs and Internships"as my current position. Added "Intern at The Sparks Foundation" in your profile headline and all The Sparks Foundation as my current company in the workexperience section.
- I have registered in smart internz and logged in to trail head community.
- I learned the basics concepts of app development by seeing videos in YouTube and browsing in theinternet.

Day & Date	Brief description of the daily activity	Learning Outcome
Day – 1	I have learnt about salesforce quick look and that's how I completed a module followed by a quiz.	salesforce quick look
Day - 2	I have learnt about trailhead quick look and that's how I completed a module followed by a quiz.	trailhead quick look
Day – 3	I have learnt about trailblazer community quick look and that's how I completed a module followed by a quiz.	Trailblazer community quick look
Day – 4	I have learnt about salesforce credentials quick look and that's how I completed a module followed by a quiz.	Salesforce credentials quick look.
Day – 5	I have learnt about setup quick look and that's how I completed a module followed by a quiz.	setup quick look
Day –6	I have learnt about trailhead navigation quick look and that's how I completed a module followed by a quiz.	navigation quick look

4.2.1 ACTIVITY LOG FOR THE SECOND WEEK

- I learnt about what were the modules involved in the procedure and saw some sample videos regarding it.
- I learnt there were super sets along with these modules that are need to need to be known
- I have looked some videos to get much aware of super sets.

4.2.2 WEEKLY REPORT

WEEK – 2 (From Dt…….. to Dt .....)

Objective of the Activity Done: The main aim is to study the problem statement and finding the solution. Installing the required platform for finding solution. Appling the concepts learned in week-1.

Detailed Report:

I have studied about salesforce quick look and that's how I completed a module followed by a quiz and then I have learnt about trailhead quick look and that's how I completed a module followed by a quiz. I have learnt about trailblazer community quick look and that's how I completed a module followed by a quiz. I have learnt about salesforce credentials quick look and that's how I completed a module followed by a quiz. I have learnt about trailhead navigation quick look and that's how I completed a module followed by a quiz**.**

4.3.1 ACTIVITY LOG FOR THE THIRD WEEK

DAY & DATE	BREIF DESCRIPTION OF THE DAILY ACTIVITY	LEARNING OUTCOME
DAY-1	Customize User Interface For Recruiting App	Create tabs, quick actions, record types, and customized page layouts on an existing app for a more streamlined user experience.Enable Chatter for the objects in the app to allow recruiters to easily share information about candidates.
DAY-2	• Lightning App Builder	Add components to a Lightning page.Configure the properties of a Lightning page and a Lightning component.Add actions to a Lightning page
DAY-3	• Data Management	Describe and compare the different options for importing data into Salesforce. Export data manually using the Data Export Service.
DAY-4	• Leads and Opportunities for Lightning Experience	Understand how leads fit into the sales process.Understand what happens when you convert a lead.Create and convert leads.
DAY-5	• Quick Start Process Builder	In this Quick Start, you'll do exactly that: create a new process that updates Contact records whenever the Account billing address changes. As you'll see, it's quite easy, and doesn't require a shred of code.
DAY-6	• Quick Start Lightning App Builder	In this Quick Start, you'll build a geolocation app for sales reps in the field using the Lightning App Builder. You'll use a pre-built Lightning Component and the drag-and-drop interface of Lightning App Builder to create this app.

4.3.2 WEEKLY REPORT

WEEK – 3 (From Dt…….…. to Dt .....)

Objective of the Activity Done: The main objective is to learn the GitHub commands, peer evaluation , video upload in LinkedIn, task submission.

Detailed Report:

Quick Start: Lightning App Builder**

1.Create First Page

If haven't already, log in to Trailhead, then launch Trailhead Playground by clicking Launch at the bottom of this page. This opens Trailhead Playground in a new tab.

If not already on the Setup home page, click Gear icon to access Setup in Lightning Experience. and select Setup to launch Setup in a new tab.

Enter Lightning App Builder in Quick Find and select Lightning App Builder.

Under Lightning Pages, click New.

Select App Page then click Next.

In the Label field, type Field Sales App and click Next.

In Create a New Lightning Page, select Two Regions.

Click Finish.

2.Add Components to the Page

From the Standard Components menu on the left, drag the Recent Items component to the right column.

In the property inspector on the right, type Opportunities & Leads for the label.

Click Select under Objects, and highlight API Anomaly Event Store from the Selected column on the right to the Available column on the left. Click the left arrow to remove

Click Opportunity from Available and click the right arrow to add to Selected. Repeat this for Lead object.

3.Add Quick Actions and Configure the Page

In the right sidebar, click Page to configure the app properties.

At the bottom, click Select under Actions.

Click Log a Call and use the right arrow to add the quick action to the Selected list. Repeat for New Case, New Lead, and New Task.

Click OK to add the actions to your Lightning Page, and then click Save.

Click Activation....

On the Page Settings tab, type Field Sales App for the App Name. It should already be defaulted in for you. Leave all other defaults as is.

Quick Start: Build a Salesforce App

1.Create the Trailblazer AppClick the setup gear Gear icon to access Setup in Lightning Experience. and select Setup. This launches Setup in a new tab.Click the Object Manager tab next to Home.Click Create and select Custom Object.

Define the new custom object as follows:

Label: Waypoint

Plural Label: Waypoints

Object Name: Waypoint

Under Optional Features, select Allow Reports and Allow Activities.

Click Save.

In Setup, click Home.

Enter Tabs in Quick Find and select Tabs.

Under Custom Object Tabs, click New.

Create a new tab as follows:

Object: Waypoint

Tab Style: select any icon

Leave all defaults as is. Click Next, Next, and Save.

In Setup, click Home.

Enter App Manager in Quick Find and select App Manager.

Click New Lightning App.

Define the new Lightning app as follows:

App Name: Trailblazer

Developer Name: Trailblazer

Click Next.On the App Options screen, leave the defaults as is and click Next.On the Utility Items screen, leave the defaults as is and click Next.On the Navigation Items screen, select Home, Chatter, Waypoints, Reports, and Dashboards and move them to the Selected Items box. Then click Next.On the Assign to User Profiles screen, select System Administrator and move it to Selected Profiles. Then click Save & Finish.

2.Try Out the App

Click the App Launcher App Launcher icon and select Trailblazer.Click the Waypoints tab.Click New to create a new waypoint.Call it Half Dome and click Save & New.Create another waypoint called Glacier Point and click Save & New.Create one more called El Capitan and click Save.

3.Add a Quick Action

Click the setup gear Gear icon to access Setup in Lightning Experience. and select Setup. Enter Global Actions in the Quick Find and select Global Actions.Click New Action . Leave the Action Type as Create a Record. In the Target Object field, choose Waypoint.In the Label field, enter Waypoint. This automatically populates the Name field with Waypoint as well.Click Save.In the next Action Layout screen, leave Waypoint Name as the only field in the layout. Click Save.

4.4.1 ACTIVITY LOG FOR THE FORTH WEEK

DAY & DATE	BRIEF DESCRIPTION OF DAILY ACTIVITY	LEARNING OUTCOMES
Day-1	Automating the business process for recruiting App	Build processes in an HR recruiting app that streamline workflow for creating interviewer records and approving new positions.
Day-2	Build a discount Approval Process	Define an approval process, and list its key components. Set up an approval process that emails the initial approvers. Set up an approval process that allows users to approve or reject opportunity records.
Day-3	Introduction to Flow Builder and Types of Flows and Security	Able to create Record Ownership, design sharing rules To set Organizational Security Settings and set User profiles and permissions
Day-4	Salesforce Flow: Customize How Records Get Approved Build an Approval Process	Define an approval process, and list its key components. Plan the automation of a business process using an approval process. Set up an approval process that emails the initial approvers.
Day-5	Flow Builder: Add screens to flow Add logic to your flow Add actions to your flow	List the resources available in Flow Builder. List the types of components you can add to screens. List the logic elements available in Flow Builder and add branching logic to a flow.
Day-6	Overview of Data Security, Control access to org, objects, fields, Records, and creating Roles	Able to describe a typical scenario for limiting data access at each of the four levels. Limit the IP addresses from which users can log in. Set password policies.

4.4.2 WEEKLY REPORT

WEEK – 4 (From Dt…….…. to Dt .....)

Objective of the Activity Done: The main objective is to learn HTML, CSS,JS and all the other prerequisites for task completion**.**

Detailed Report:

Trailhead Playground Management**

Create a trailhead Playground:

Once created a Trailhead account with your Salesforce account or a linked social account, we've done all the hard work for you! A Trailhead Playground is created automatically and linked to your Trailhead account.

Get Trailhead Playground Username and Password

Launch your Trailhead Playground by clicking Launch from any hands-on challenge Click Setup and select Setup. Enter Users in Quick Find and select Users.Locate your name on the list of users. Check the box next to your name. Take note of the username. This is the username for your Trailhead Playground.Click Reset Password(s) and OK. This sends an email to the email address associated with your username. Be sure to check your spam folder if you don't see the email. Click the link in the email.Enter a new password, confirm it, and click Change Password.

Install Apps and Packages in Your Trailhead Playground.

To install an app or package in your Trailhead Playground, you just need the package ID provided in the Trailhead content. This is a long string that starts with 04t—you'll know it when you see it.First things first: Launch your Trailhead Playground by going to any hands-on challenge, scrolling to the bottom of the page, and clicking Launch. If you see a tab in your org labeled Install a Package, fantastic! Follow the steps in the Your Playground Has the Playground Starter App section below.

Formulas and Validations***

Use Formula Fields.From Setup, open the Object Manager and click Opportunity.In the left sidebar, click Fields & Relationships.Click New.Select Formula and click Next.In Field

Label, type My Formula Field. Notice that Field Name populates automatically.Select the type of data you expect your formula to return. For example, if you want to write a formula that calculates the commission a salesperson receives on a sale, you select Currency. For now, pick Text.Click Next. You've arrived at the formula editor! Time for our tour.

2.Implement Roll-Up Summary Fields

From Setup, open Object Manager and click Account.On the left sidebar, click Fields & Relationships.Click New.Choose the Roll-Up Summary field type, and click Next.For Field Label, enter Sum of Opportunities and click Next.The Summarized Object is the detail object that you want to summarize. Choose Opportunities.Choose the SUM summary type and choose Amount as the Field to Aggregate.Click Next, Next, and Save.

3.Create Validation Rules

From Setup, go to Object Manager and click Account.In the left sidebar, click Validation Rules.Click New.Enter the following properties for your validation rule:

a. Rule Name: Account_Number_8_Characters b. Error Condition Formula:

LEN(AccountNumber) != 8

Error Message: Account number must be 8 characters long.

To check your formula for errors, click Check Syntax.

Click Save to finish.

4.5.1 ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief Description of daily Activity	Learning Outcomes
Day -1	Keeping Data Secure in a Recruiting App Creating Custom Profiles and restricting data Access with permission settings.	Updating field level security and creating permissions and restricting data access.
Day -2	Apex & Testing, Debugging	To describe what is Apex , Data types in Apex , Apex triggers ,SOQL,SOSL, Apex Unit Tests ,Monitoring and accessing Debug Logs
Day -3	Apex Triggers & Bulk Apex Triggers	Writing a Trigger for Salesforce Object ,Invoking class method from trigger , Writing Triggers that perform efficient SOQL and DML operations.
Day-4	Apex Testing , Apex Unit tests & creating Test Data for Apex Tests	Importance of unit tests in Apex , Writing a test for trigger that fires on a single record operation, Creating Utility test class
Day-5	Asynchronous Apex	Identifying difference between synchronous and Asynchronous Apex, Using Future methods for callouts, Batch Apex, Apex Schedulers.
Day-6	VS Code and CLI setup	Setting up VS Code and Integrating Org to Vs code Environment.

4.5.2 WEEKLY REPORT

WEEK – 5 (From Dt…….….. to Dt .....)

Objective of the Activity Done: The main aim to design and develop the web pages like Home page, Customers page.

Detailed Report:

Approve Records with Approval Processes***

1.Customize How Records Get Approved

Before we dive in, let's come up with a plan.In Order to... We Need...

Track each opportunity's discount percent

Custom field (Opportunity).

Track each opportunity's approval status

Custom field (Opportunity)

Request approval from managers when an opportunity discount is more than 40%

Approval process (Opportunity)

Notify managers when an opportunity discount needs approval

Email template

When managers respond, update the opportunity's approval status

Approval actions (Field Update).

2.Build an Approval Process

From Setup, enter Templates in the Quick Find box, and then select Classic Email Templates. Click New Template. Select Text as the template type, and click Next. Configure the email template. Including the merge field {!Opportunity Name}helps the approver by providing a link to the opportunity record. This allows them to review the record before responding to the request.Click Save.Create an Approval Process....

From Setup, enter Approval in the Quick Find box, and then select Approval Processes.In Manage Approval Processes For, select Opportunity.Click Create New Approval Process | Use Jump Start Wizard. The Jump Start Wizard helps you create a simple approval process by making some decisions for you.Save the approval process.Click View Approval Process Detail Page.Under Final Approval Actions, click Add New | Field Update, and configure it with these values.Click Save.Under Final Rejection Actions, click Add New | Field Update, and configure it with these values.

Leads & Opportunities for Lightning Experience**

1.Create and Convert Leads as Potential Customers

Every company is unique, but all companies want to find, sell to, and keep customers. Salesforce has the tools you need to grow your pipeline and make more sales.In this unit, we learn about leads by following a lead record from creation to conversion. The next unit tackles opportunities, and shows you how your whole sales team can work together on opportunities. Finally, you'll discover new ways to find, view, and work with your leads and opportunities from the start of the sales process through closing your deals using Path and Kanban.

Work Your Opportunities

On the Opportunities tab, click New.If your org has more than one record type for opportunities, select the type that best represents this opportunity. Give the opportunity a name: Get Cloudy - 50 Custom Sneakers.Select the account that the opportunity is related to.Select a close date for the opportunity.Select the opportunity's current stage. For now, let's use Needs Analysis. Salesforce adds a probability based on the stage selected. If the probability isn't accurate, you can change it.

2.Sell as a Team and Split the Credit

Sell as a Team,It often takes a team to close a deal. If your Salesforce admin has enabled team selling, adding an opportunity team helps team members work together and track the opportunity's progress.Opportunity teams are a bit like account teams. Both let you relate particular people at your company to accounts or opportunities. But, whereas account team members can be expected to form a long-term relationship with a customer, an opportunity team is a temporary group. It's composed of people who can help you close a deal. Opportunity team members have special visibility into an opportunity, such as related Chatter posts.

3.Visualize Success with Path and Kanban

Path is a simple tool with some powerful features. You may have already noticed it on lead and opportunity records as you worked through the other units in this module.Path shows you at a glance where the record is in your sales process. It's a quick indicator that helps you visualize where you are and where you're going

4.6.1 ACTIVITY LOG FOR THE SIXTH WEEK

DAY & DATE	BRIEF DESCRIPTION OF DAILY ACTIVITY	LEARNING OUTCOMES
Day-1	VS Code setup	List the benefits of using Lightning web components. Create JavaScript methods for a Lightning web component. Create an app that includes multiple components.
Day-2	CLI Setup	Explain the Lightning Web Components programming model. List the benefits of using Lightning web components.
Day-3	To know about Lightning Web Components (LWC & API)	Able to analyse the basics of LWC and Visualforce To use lightning components in lightning Experience. To get some knowledge on REST API and SOAP API
Day-4	API Basics: Learn the fundamentals and benefits of developing with APIs	Define and describe an API. Name common uses of APIs. Understand the API economy and why API growth has been significant.
Day-5	Event Monitoring: Query Event log Files Download and visualize Event log.	Describe the event types supported by Event Monitoring. Define event log files. Describe the application programming interface (API)-first approach to development.

Day-6	Shield Platform Encryption and Apex Integration Services	Define encryption and describe how it protects data. Describe the difference between Classic Encryption and Shield Platform Encryption. Explain the relationship between tenant secrets, keys, and master secrets.

4.6.2 WEEKLY REPORT

WEEK – 6 (From Dt…….….. to Dt .....)

Objective of the Activity Done: The main objective is to check the code and make the necessary adjustments. Uploading in Github,feedback sharing, Linkedin uploading,Task submission were done.

Detailed Report:

I learnt about Approve Records with Approval Processes which contains the submodules and finished them as below:

1. Get Started with Apex Triggers

In the Developer Console, click File | New | Apex Trigger.

Enter HelloWorldTrigger for the trigger name, and then select Account for the sObject. Click Submit.

To save, press Ctrl+S.

To test the trigger, create an account.

Click Debug | Open Execute Anonymous Window.

In the new window, add the following and then click Execute.

2.Bulk Apex Triggers

Apex triggers are optimized to operate in bulk. We recommend using bulk design patterns for processing records in triggers. When you use bulk design patterns, your triggers have better performance, consume less server resources, and are less likely to exceed platform limits.

The benefit of bulkifying your code is that bulkified code can process large numbers of records efficiently and run within governor limits on the Lightning Platform. These governor limits are in place to ensure that runaway code doesn't monopolize resources on the multitenant platform.

3.Apex Testing

Get Started with Apex Unit Tests

In the Developer Console, select Test | New Suite.

Enter TempConverterTaskUtilSuite for the suite name, and then click OK.
Select TaskUtilTest, hold down the Ctrl key, and then select TemperatureConverterTest.
To add the selected test classes to the suite, click >.
Click Run Suites.

On the Tests tab, monitor the status of your tests as they're running. Expand the test run, and expand again until you see the list of individual tests that were run. Like in a run of individual test methods, you can double-click method names to see detailed test results.

4.Test Apex Triggers
Create and install a simple Apex trigger which blocks inserts and updates to any contact with a last name of 'INVALIDNAME'. You'll copy the code for the class from GitHub. Then write unit tests that achieve 100% code coverage.
Create an Apex trigger on the Contact object
Name: RestrictContactByName
Code: Copy from GitHub
Place the unit tests in a separate test class
Name: TestRestrictContactByName
Goal: 100% test coverage
Run your test class at least once
Create Test Data for Apex Tests
Create an Apex class in the public scope
Name: RandomContactFactory (without the @isTest annotation)
Use a Public Static Method to consistently generate contacts with unique first names based on the iterated number in the format Test 1, Test 2 and so on.
Method Name: generateRandomContacts (without the @isTest annotation)
Parameter 1: An integer that controls the number of contacts being generated with unique first names
Parameter 2: A string containing the last name of the contacts
Return Type: List < Contact >

I learnt about Approve Records with Approval Processes which contains the submodules and finished them as below:
1.Asynchronous Processing Basics

In a nutshell, asynchronous Apex is used to run processes in a separate thread, at a later time. An asynchronous process is a process or function that executes a task "in the background" without the user having to wait for the task to finish.

Here's a real-world example. Let's say you have a list of things to accomplish before your weekly Dance Revolution practice. Your car is making a funny noise, you need a different color hair gel and you have to pick up your uniform from your mom's house. You could take your car to the mechanic and wait until it is fixed before completing the rest of your list (synchronous processing), or you could leave it there and get your other things done, and have the shop call you when it's fixed (asynchronous processing).

2. Use Future Methods

Future Apex is used to run processes in a separate thread, at a later time when system resources become available.

CHAPTER 5: OUTCOMES DESCRIPTION

5.1 Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

Facilities Available and Maintenance

- Bug Fixing:

  Re-evaluating the structure, identifying and reducing errors in the system, tuning misconfigured pieces, fixing production issues, and add-ons.

- CRM Monitoring:

  Forecasting system obstacles by proactive actions and performance tracking.

- **Virtual Internship Description:** VOID WHERE PROHIBITED BY LAW. The Virtual Internship Program is an initiative to upskill & make the participant ready for the job of salesforce admin/developer. In which a participant can learn how to use and work with salesforce technologies.

- **Event Organizer:** SmartBridge Educational Services Pvt. Ltd., located at Plot No 132, 2nd Floor, Above DCB Bank, HMT Nagar, Nacharam Main Road, Hyderabad, India – 500076 (“SmartBridge” or “Organizer”)

- **Supporter:** Salesforce.com, Singapore Pte. Ltd., (“Salesforce” or “Supporter”). Salesforce is not the organizer or the administrator of this virtual Internship Program.

- **Collaborator:** AICTE (“AICTE” or “Partner”)

5.2 Describing the real time technical skills that were acquired

Technical skills acquired as a Data Science and Business Analytics intern:

1. **Kotlin**: Kotlin belongs to "Languages" category of the tech stack Interoperable with Java" is the primary reason why developers consider Kotlin over the competitors**.**

2. **React native**: React Native can be primarily classified under "Cross-Platform Mobile Development". Learn once write everywhere" was stated as the key factor in picking React Native.

3. **Java:** Java is a high-level, class-based, object oriented programming language that is designed to have as few implementation dependencies as possible. It is a general purpose programming language intended to let programmers *write once, run anywhere* (WORA), meaning that compiled Java code can run on all platforms that support Java without the need to recompile.

4. **React.js:** React is a library for building composable user interfaces. It encourages the creation of reusable UI components, which present data that changes over time.

5. JSX − JSX is JavaScript syntax extension. It isn't necessary to use JSX in React development, but it is recommended.

6. Components − React is all about components. You need to think of everything as a component. This will help you maintain the code when working on larger scale projects.

7. Unidirectional data flow and Flux − React implements one-way data flow which makes it easy to reason about your app. Flux is a pattern that helps keeping your data unidirectional.

8. License − React is licensed under the Facebook Inc. Documentation is licensed under CC BY 4.0.

5.3 Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

Planning :- I gained an important managerial skill, “Planning”, which is essential component of every task in our daily day-to-day work. We are used to work according to the cohort calendar, which made our works easier to perform, when compared to work randomly.

LeaderShip :- I gained this essential managerial skill when, I was given opportunity to work as Team Monitor for the week-4. I came to know that, there are lot more things we can do if we utilize this opportunity properly without power misuse.

TeamWork :- To be a good team leader, first we should be a good team member, performing actively in all group tasks assigned is a necessary for overall success of the team. I taught me that team work is necessary in a company for overall success rate and goal achievement. I gained this skill while performing on a software project in the week-5.

Behaviour :- I learnt about an important component of personality development during the internship period, that is nothing but our Own behaviour. It means a lot the way we are speaking and behaving with peer interns, mentors and our guides. Our behaviour should be Professional i.e., not too harsh nor too intimate, our behaviour should be in a stable state.

Communication :- I had learnt that communication plays an important role in managing with clients and higher authorities or officials of the company. Better communication skills will provide us with a good working environment. I came to learn this skill when i gave a review of our team project in the week-6.

5.4 Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

The communication can be improved by Thinking before talking generally people often feel uncomfortable with silence,but pausing before answering a question can improve our response.Talking time to reflect allows us to organize our thoughts into a concise,clear statement.The other basic thing that is used to improve the communication is to improve the oral communication that can be done by first understanding,reading,writing and then presenting.After that frame the each and every scenario and express what we thinks.

To effectively communicate messages,we need to understand our audience and put ourself in our position.Not everyone has the same knowledge or background as the specific domain, so ensure we explain information in a manner easily understood by anyone. Being assertive in conversation with others helps you get what you want and need and stand up for yourself and your values.Making the eye contact is one of the best way of making other to pay attention to us and making the good posture like making our back straight,

5.5 Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

For small groups to function effectively in a course context, students must attend to both the climate within their group and the process by which they accomplish their tasks. Critical to a healthy climate and an effective process are strong communication skills. Below you will find the basic characteristics of effective communicators, plus tips to help students with group climate and process.

Required Communication Skills for enhancing abilities in group discussions:

- can explain their own ideas
- express their feelings in an open but non-threatening way
- listen carefully to others
- ask questions to clarify others' ideas and emotions

Assign students into diverse groups so that they encounter others with different backgrounds and interests.

Design activities that break the ice, promote awareness of differences within the group, encourage reflection on the stresses of working within a group, and point out the demands of working in a group.

Have students participate in trust challenges. For example, try the trust-fall, in which individual group members fall backward off a table and are caught by their fellow group members. Or blindfold individual students, and have their group members guide them orally through an obstacle course.

5.6 Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

Combining cloud computing and CRM (Customer Relationship Management) has allowed analysis of sales by understanding customer transactions using customer data stored in the cloud. Businesses can personalize the tools based on their business problems and enhance the functions to integrate with other tools and technologies.

CRM is targeted to a broad range of companies and business, many of whom may not have a background in tech and software. For the CRM to reach its full potential it must be easy for even novice users to work with. The current technological developments meet and far exceed the ease-of-use requirement by offering user base an extremely intuitive, simple user interface. Unlike with many other CRMs and related services, there is no need to get involved with coding or to carefully pour through information about product updates. Instead, everything is served up in an easy-to-understand format designed to minimize difficulty and inconvenience.

Integrating artificial intelligence (AI) in Salesforce has already improved pricing, customer insights, and product configuration. Businesses can deliver diversified, contextual experiences using robust AI and customer analytics, leading to more substantial brand recognition and growth. Salesforce Einstein is the industry's first fully-featured AI for CRM. It increases productivity, helps make marketing predictions, and empowers customer engagement.

Marketing automation tools assist you in identifying your target audience, creating valuable content, and automating actions based on schedules and customer behavior and it helps businesses to achieve goals faster by removing manual work and processes.

CRM provides the backbone service needed to allow easy data collaboration between multiple departments, centralized customer information, an array of reports and statistical options, and the ability to run on any browser, tablet, desktop, or mobile device.

Student Self Evaluation of the Short-Term Internship

Student Name: **Registration No:**

Term of Internship: **From:** **To :**

Date of Evaluation:

Organization Name & Address:

Please rate your performance in the following areas:

Rating Scale: **Letter grade of CGPA calculation to be provided**

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	**OVERALL PERFORMANCE**	**1**	**2**	**3**	**4**	**5**

Date: **Signature of the Student**

Evaluation by the Supervisor of the Intern Organization

Student Name: **Registration No:**

Term of Internship: **From:** **To :**

Date of Evaluation:

Organization Name & Address:

Name & Address of the Supervisor with Mobile Number

Please rate the student's performance in the following areas:

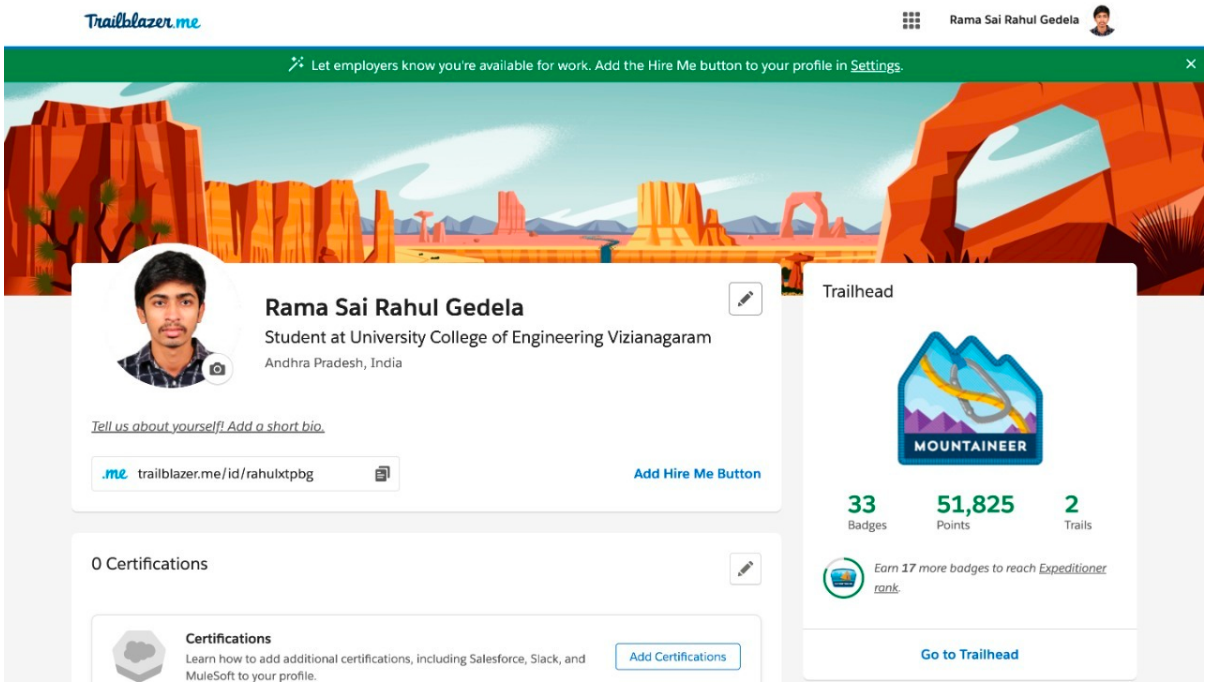
Please note that your evaluation shall be done independent of the Student's self-evaluation

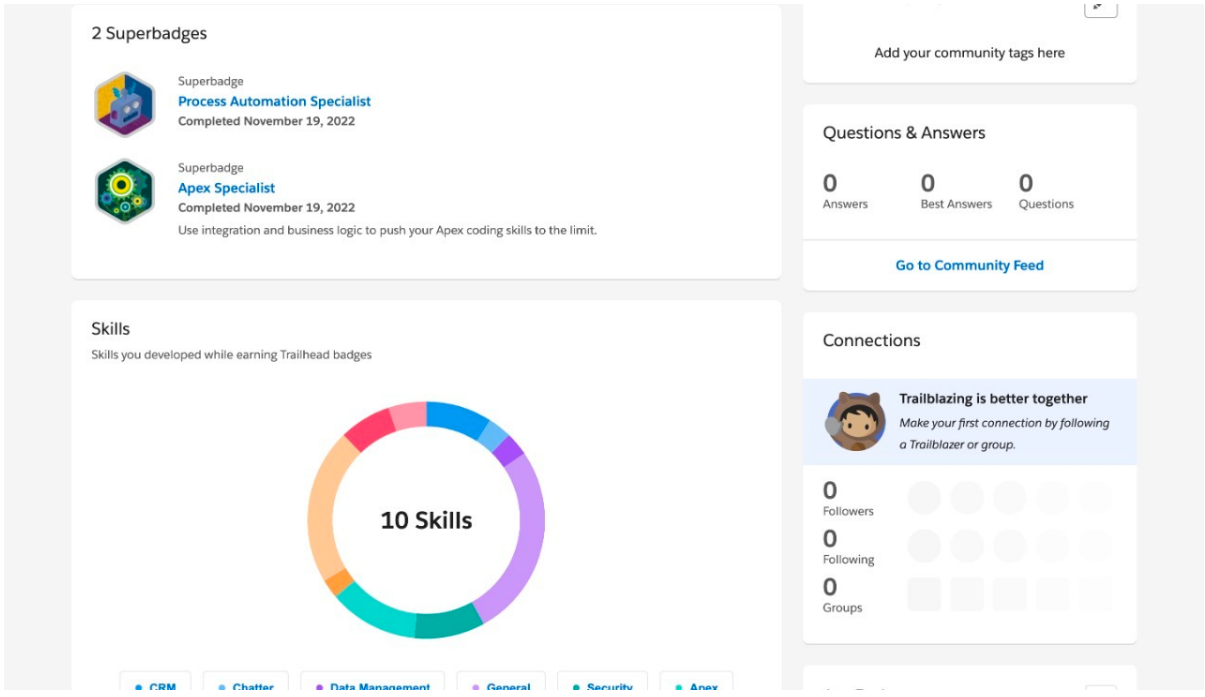
Rating Scale: 1 is lowest and 5 is highest rank

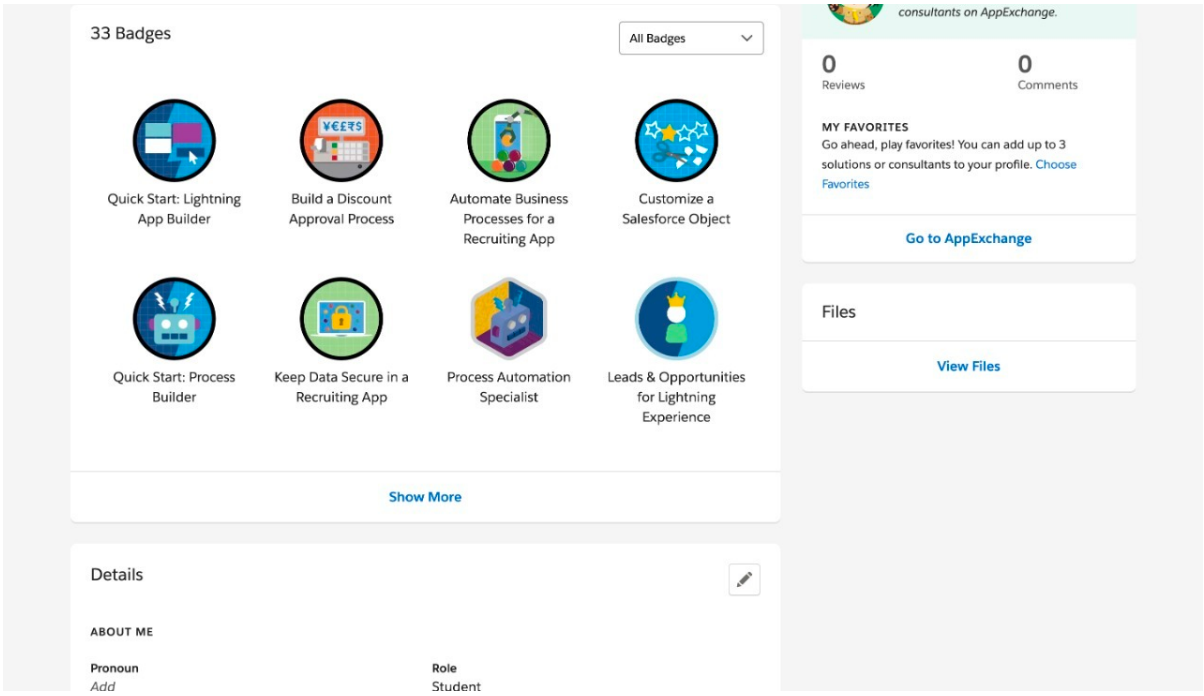
1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	**OVERALL PERFORMANCE**	**1**	**2**	**3**	**4**	**5**

Date: **Signature of the Supervisor**

PHOTOS & VIDEO LINKS



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33 Badges
All Badges
Quick Start: Lightning App Builder
Build a Discount Approval Process
Automate Business Processes for a Recruiting App
Customize a Salesforce Object
Quick Start: Process Builder
Keep Data Secure in a Recruiting App
Process Automation Specialist
Leads & Opportunities for Lightning Experience
Show More
0
Reviews
0
Comments
MY FAVORITES
Go ahead, play favorites! You can add up to 3 solutions or consultants to your profile. Choose Favorites
Go to AppExchange
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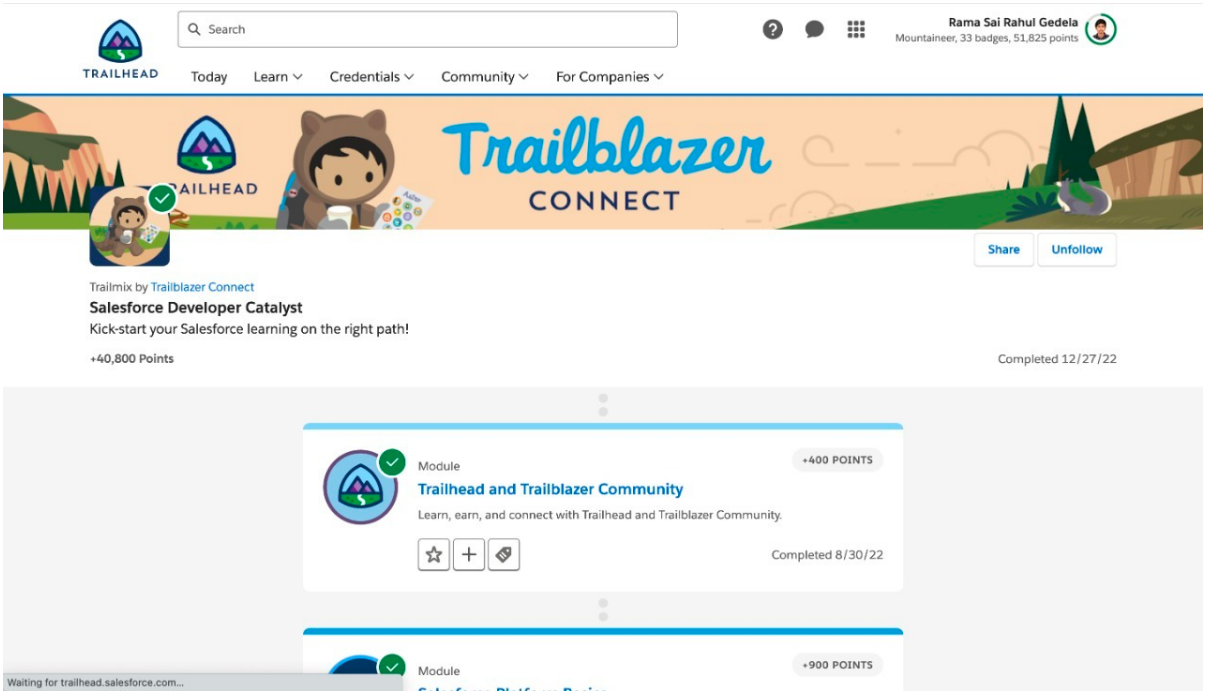
ABOUT ME
Pronoun
Add
Role
Student


TRAILHEAD
Search
Today
Learn
Credentials
Community
For Companies
Rama Sai Rahul Gedela
Mountaineer, 33 badges, 51,825 points
Trailblazer
CONNECT
Share
Unfollow
Trailmix by Trailblazer Connect
Salesforce Developer Catalyst
Kick-start your Salesforce learning on the right path!
+40,800 Points
Completed 12/27/22
Module
+400 POINTS
Trailhead and Trailblazer Community
Learn, earn, and connect with Trailhead and Trailblazer Community.
Completed 8/30/22
Module
+900 POINTS
Waiting for trailhead.salesforce.com...

EVALUATION

Internal Evaluation for Short Term Internship (On-site/Virtual)

Objectives:

- To integrate theory and practice.
- To learn to appreciate work and its function towards the future.
- To develop work habits and attitudes necessary for job success.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.

Assessment Model:

- There shall only be internal evaluation.
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 100 marks.
- The number of credits assigned is 4. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings shall be:
    - Activity Log 25 marks
    - Internship Evaluation 50 marks
    - Oral Presentation 25 marks
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration the individual student's involvement in the assigned work.
- While evaluating the student's Activity Log, the following shall be considered –

  a. The individual student's effort and commitment.

  b. The originality and quality of the work produced by the individual student.

  c. The student's integration and co-operation with the work assigned.

  d. The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description

  a. Description of the Work Environment.

b. Real Time Technical Skills acquired.
c. Managerial Skills acquired.
d. Improvement of Communication Skills.
e. Team Dynamics
f. Technological Developments recorded.

MARKS STATEMENT
(To be used by the Examiners)

INTERNAL ASSESSMENT
STATEMENT

Name of the student:
Programme of Study:
Year of Study:
Group:
Register No/H.T. No:
Name of the College:
University:

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	25	
2.	Internship Evaluation	50	
3.	Oral Presentation	25	
	GRAND TOTAL	100	

Date: **Signature of the Faculty Guide**

Certified by

Date: **Signature of the Head of the Department/Principal**
Seal:

INTERNAL ASSESSMENT
STATEMENT

Name of the student:
Programme of study:
Year of Study:
Group:
Register No/H.T. No:
Name of the college:
University:

SI.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	25	
2.	Internship Evaluation	50	
3.	Oral Presentation	25	
	GRAND TOTAL	100	

Signature of the Faculty

Date:
Guide

Certified by

Date: Signature of the Head of the Department/Principal
Seal: