

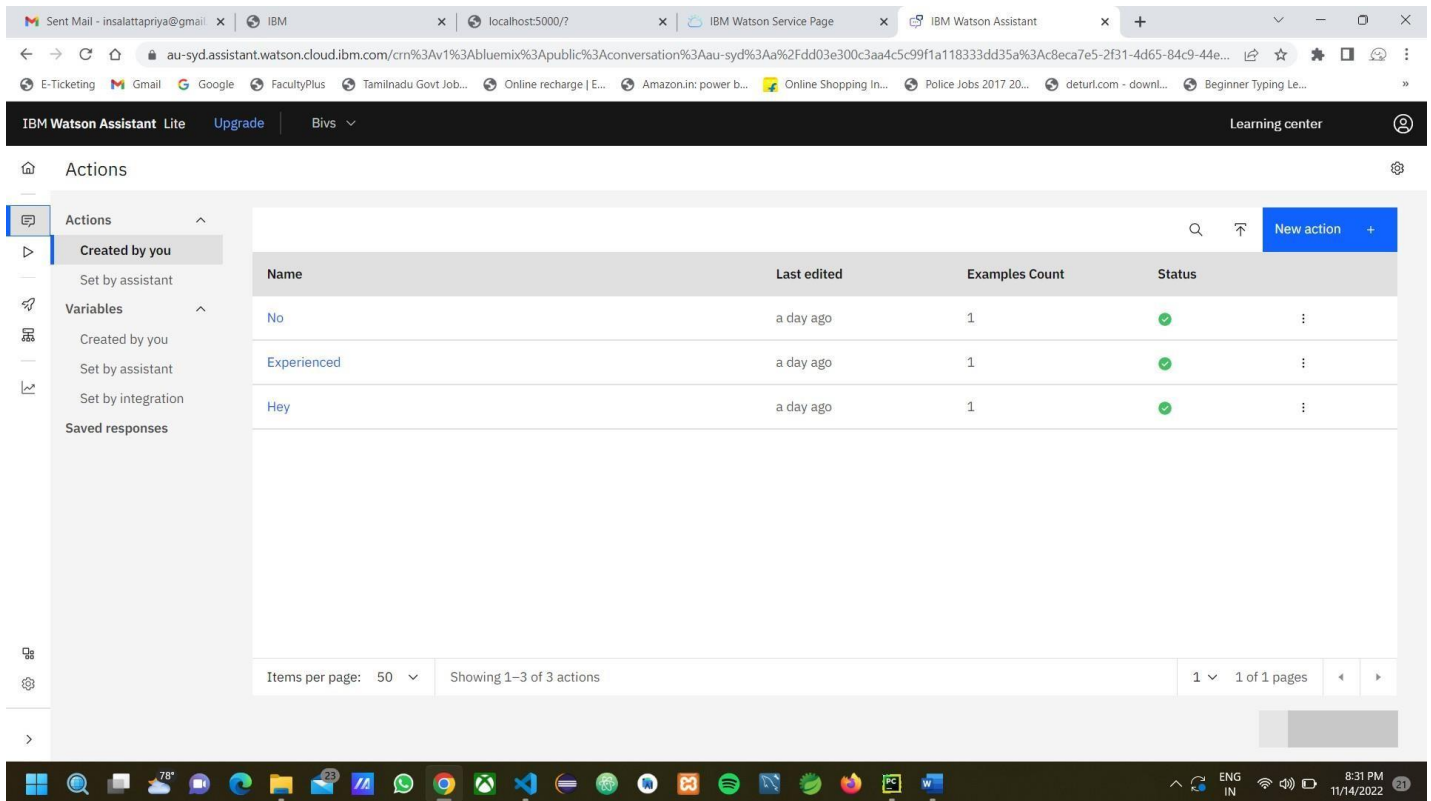
Building chatbot and integrate to app

Date	19.11.2022
Team ID	PNT2022TMID42074
Project Name	Skill And Job Recommender

Creating a Watson assistant:

The screenshot shows the IBM Watson Assistant Lite web interface in a browser. The browser's address bar displays the URL: `au-syd.assistant.watson.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fdd03e300c3aa4c5c99f1a118333dd35a%3Ac8eca7e5-2f31-4d65-84c9-44e...`. The interface has a dark header with the text "IBM Watson Assistant Lite", a blue "Upgrade" button, a "Bivs" dropdown menu, and a "Learning center" link. Below the header, a "Home" section contains a welcome message: "Welcome, you're in the new Watson Assistant! We have some exciting changes in store for you". A blue "Take a tour" button is present. To the right, three feature cards are displayed: "Faster build" (with a blue cube icon), "Easy to use" (with a laptop icon), and "New features" (with a document icon). Each card includes a brief description and a "Get started" or "View documentation" link. Below these cards, a "Bivs | English (US)" section shows a greeting: "Hey there, I'm Bivs your job assistant." and a "Get started" section with a progress bar (0%) and a list of tasks: "Learn about Watson Assistant (5 min)", "Explore your learning center", and "Explore Watson Assistant features on interactive demo site". A rocket icon is shown next to the progress bar. The bottom of the image shows a Windows taskbar with various application icons and a system tray with the date "11/14/2022" and time "8:29 PM".

Defining actions to the assistant:



Integration of Watson assistant in the application:

Integration code:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
    <link rel="stylesheet" href="/static/css/home.css">
    <style>
      .size{
        width:150px;
      }
      .align{
        display:flex;
        flex-direction:row;
      }
      .btn-seagreen{
```

```

        color:white;
        margin-right:5px;
        margin-left:5px;
        border:2px solid lightseagreen;
    }
    .btn-seagreen:hover{
        color:white;
        background-color: lightseagreen;
    }
    .bg-img{
        width:100vw;
        height:90vh;
        position:absolute;
        z-index:-1;
    }
    h3{
        display:flex;
        justify-content:center;
        align-items:center;
    }
</style>
</head>
<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
<div class="container-fluid">

    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
    <nav class="navbar navbar-dark bg-dark">
        <div class="container-fluid">
            <a class="navbar-brand" href="#" style="font-weight: bold">
                
                &nbsp; Job Hunter
            </a>
        </div>
    </nav>

    <div class="container-fluid justify-content-start align" >
        <form action="/">
            <button class="btn btn-seagreen me-2" type="submit">Log out</button>
        </form>
        <form action="viewjobs">
            <button class="btn btn-seagreen me-2" type="submit" >View Jobs</button>
        </form>

```

```

        </div>
        <div style="color:white;width:400px;font-size:18px;" >{{session.name}}</div>
    <form class="d-flex" >
        <input class="form-control me-2 size" type="search" placeholder="Search Jobs" aria-
label="Search">
        <button class="btn btn-seagreen " type="submit">Search</button>
    </form>

</div>
</div>
</nav>

    
    <footer>

        </footer>
</body>
<script>
    window.watsonAssistantChatOptions = {
        integrationID: "d5588636-650f-4cb5-8a14-8aa00dc77c71", // The ID of this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "c8eca7e5-2f31-4d65-84c9-44e8b5ec57bd", // The ID of your service
instance.
        onLoad: function(instance) { instance.render(); }
    };
    setTimeout(function(){
        const t=document.createElement('script');
        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
    });
</script>
</html>

```

Result:

The screenshot shows a web browser with multiple tabs. The active tab is 'Skill / Job Recommender' at the URL '127.0.0.1:5000'. The browser's address bar and tabs are visible at the top. The website header is 'Skill / Job Recommender'. Below the header, there is a dark grey bar with the name 'Rajeshwari' in a white box. Below this, a message says 'I hired multiple people using this website. Thank you'. The main section is titled 'Recommended Jobs for your Skills'. It displays two job cards for the 'Computer And Technology' industry. The first card is for a 'Data Scientist' position, dated '2021-08-18 00:00:00', with a description of the role and an 'Apply' button. The second card is for a 'Data Engineer' position, also dated '2021-08-18 00:00:00', with a description of the role and an 'Apply' button. On the right side of the screen, there is a chat window with a virtual assistant. The chat window has a grey background and contains the text 'Hi! I'm a virtual assistant. How can I help you today?'. Below this text are two input fields: one with the text 'Hey' and another with the text 'Any Jobs available now?'. At the bottom of the chat window is a text input field with the placeholder 'Type something...' and a send button. The chat window is built with IBM Watson, as indicated by the text 'Built with IBM Watson®' at the bottom.

IBM-Project-32286-1660209100 x IBM x Download file | iLovePDF x Skill / Job Recommender x +

127.0.0.1:5000

Gmail YouTube Maps GitHub IBM IBM Cloud Udemy WhatsApp FACE Prep Aptitude Q&A IBM Watson Service...

Skill / Job Recommender

Rajeshwari

I hired multiple people using this website. Thank you

Recommended Jobs for your Skills

Industry: Computer And Technology

Data Scientist

Date: 2021-08-18 00:00:00

Use strong business acumen, as well as an ability to communicate findings and mine vast amounts of data for useful insights Use these insights to influence how an organization approaches business challenges Use combined knowledge of computer science and applications, modeling, statistics, analytics, and maths to solve problems Extract data from multiple sources Sift and analyze data from multiple angles, looking for trends that highlight problems or opportunities Communicate important

Apply

Industry: Computer And Technology

Data Engineer

Date: 2021-08-18 00:00:00

Develop, construct, test and maintain architectures Align architecture with business requirements Data acquisition Develop data set processes Use programming language and tools Identify ways to improve data reliability, efficiency and quality Conduct research for industry and business questions Use large data sets to address business issues Deploy sophisticated analytics programs, machine learning and statistical methods

Apply

Pose for P
in Run
Develop

Hi! I'm a virtual assistant. How can I help you today?

Hey

Any Jobs available now?

Type something...

Built with IBM Watson®