



Language Inclusion
for Climate Action



**Empowering farmers to adapt and build
climate resilience**

TR-102 Four Week Internship Report

This report provides an overview of the key projects, feedback, and personal growth experienced during the four-week internship at ONIONDEV TECHNOLOGIES PVT LTD

 **by uddhav bhardwaj**

Overview of Internship Experience

1 Hands-on Learning

The internship offered valuable opportunities to apply classroom knowledge to real-world challenges.

2 Collaborative Environment

Working closely with a team of experienced professionals fostered a dynamic and supportive learning environment.

3 Multifaceted Projects

The internship involved a diverse range of projects, allowing for breadth and depth of exposure.



Summary of Key Projects Completed

3D JavaScript Prototype

Developed an interactive 3D web application using JavaScript and WebGL technologies.

EDA of Census Data

Performed exploratory data analysis on a large census dataset to uncover insights.

Community Risk Analysis

Conducted a comprehensive analysis of risk factors in a local community using GIS tools.

3D JAVASCRIPT PROTOTYPE (ANIMATE.HTML)

1

Concept Development

Brainstormed and designed an interactive 3D experience to showcase the company's services.

2

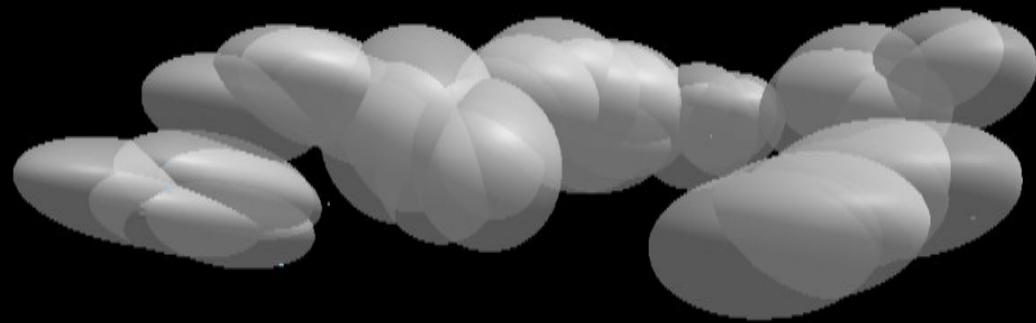
WebGL Implementation

Utilized WebGL and Three.js libraries to build the dynamic 3D visualization.

3

User Interactivity

Incorporated controls and animations to allow users to explore the 3D environment.





EDA OF CENSUS DATA

Data Cleaning

Performed thorough data cleaning and preprocessing to ensure the dataset was ready for analysis.

Exploratory Analysis

Utilized various statistical and visual techniques to uncover patterns and insights in the data.

Reporting and Presentation

Synthesized findings into a comprehensive report and presented key takeaways to stakeholders.

COMMUNITY RISK ANALYSIS

Geographic Mapping

Leveraged GIS tools to create detailed maps of the community and its risk factors.



Data-Driven Insights

Analyzed demographic, environmental, and infrastructure data to identify high-risk areas.



Recommendations

Proposed targeted interventions and strategies to mitigate the identified risks.

Developing CRA Block GP Selection criteria (1) ☆ 📁 ☁						
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1						
2		Risk and Vulnerability Assessment of Indian Agriculture to Climate Change				
3						
4						
5		S.No	State	Districts Under CRA	Risk Category Of CRA	
6		1	Andhra Pradesh	Anantapur	Very High	
7		2	Andhra Pradesh	East Godavari	High	
8		3	Andhra Pradesh	Kurnool	High	
9		4	Andhra Pradesh	Srikakulam	High	
10		5	Arunachal Pradesh	Upper Siang	Very High	
11		6	Arunachal Pradesh	Dibang Valley	High	
12		7	Arunachal Pradesh	East Siang	High	
13		8	Arunachal Pradesh	Lohit	High	
14		9	Arunachal Pradesh	Lower Subansiri	High	
15		10	Arunachal Pradesh	Tawang	High	
16		11	Arunachal Pradesh	West Siang	High	
17		12	Assam	Darrang	Very High	
18		13	Assam	Nalbari	Very High	
19		14	Assam	Barpeta	High	
20		15	Assam	Dhemaji	High	
21		16	Assam	Dhubri	High	
22		17	Assam	Kokrajhar	High	
23		18	Assam	Morigaon	High	
24		19	Bihar	Darbhanga	Very High	

Feedback and Mentorship Received

Constructive Feedback

1

Regular check-ins and feedback sessions helped refine my skills and approach.

Personalized Guidance

2

My mentor provided valuable insights and advice to support my professional development.

Collaborative Learning

3

The mentorship experience fostered an environment of mutual growth and learning.



animate.html

HTML • 5 kB

animate.html

try this

there is an array for precipitation value

plug in your values

12:19

from the geojson which i had shared

12:20

Ankit Kumar IIT DELHI GRAM ...

try this

...

Ok

12:21 ✓✓



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CIN: U74140DL2015PTC280913

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Impact on Personal and Professional Growth

Skill Development

The internship allowed me to enhance my technical, analytical, and problem-solving skills.

1

Career Exploration

The diverse projects and mentorship helped me gain clarity on my career aspirations.

3

2

Confidence Building

Tackling real-world challenges boosted my self-assurance and ability to take on new tasks.

Appreciation for Company Culture and Values

Collaborative Environment

The company's emphasis on teamwork and open communication fostered a highly productive and supportive work culture.





















Commitment to Innovation

The company's dedication to staying at the forefront of technology and continuously improving its offerings was inspiring.

Inclusive and Diverse

The internship experience highlighted the company's commitment to fostering a diverse and inclusive workplace.

Name 

	andhra pradesh.csv 
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	haryana.csv 
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	karnataka.csv 
	madhya pradesh.csv 
	maharashtra.csv 

Conclusion and Next Steps

- 1

Invaluable Experience

The internship provided an exceptional learning opportunity and a strong foundation for my future career.
- 2

Continued Growth

I am grateful for the mentorship and feedback received, which will guide my ongoing professional development.
- 3

Aspirations

I am excited to explore further opportunities to apply the skills and knowledge gained during this internship.