

REPORT  
ON  
**NINE MONTHS OF INTERNSHIP**  
Carried out at  
**ARCHITECTONICS**

*Submitted to*  
**NMAM INSTITUTE OF TECHNOLOGY, NITTE**  
(An Autonomous Institution under VTU, Belagavi)

*In partial fulfillment of the requirements for the award of the*

Degree of Bachelor of Engineering  
in  
Computer Science Engineering

*by*  
**MADHAV BHAT K**  
USN 4NM18CS085

Under the guidance of  
GAURAV CHINNIVAR & VIGNESH BRINDA



**NITTE**  
EDUCATION TRUST

**N.M.A.M. INSTITUTE OF TECHNOLOGY**  
(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)  
Nitte – 574 110, Karnataka, India



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## CERTIFICATE

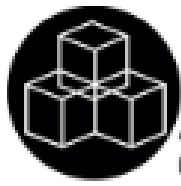
*This is to certify that the “Internship report” submitted by **Mr. Madhav Bhat K** bearing USN 4NM18CS085 of 8<sup>th</sup> semester B.E, a bonafide student of NMAM Institute of Technology, Nitte, has undergone nine months of internship at ARCHITECTONICS during from **March 16th to December 15<sup>th</sup> 2021** fulfilling the partial requirements for the award of degree of Bachelor of Engineering in **Computer Science Engineering** at NMAM Institute of Technology, Nitte.*

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*Name and Signature of Mentor*

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*Signature of HOD*



**ARCHITECTONICS**  
BELIEVE . CREATE . DESIGN . INSPIRE



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16/12/2021

### Internship Experience Letter

To,

Mr. Madhav Bhat,

This is to certify that **Mr. Madhav Bhat** has successfully completed his internship at 'Architectonics' from **16th March 2021 to 15th December 2021**.

During His tenure we found Mr. Madhav to be sincere, dedicated, hardworking and effective in discharging responsibilities assigned to him.

His association with us was very fruitful and we wish him all the best in his future endeavours.

Thank you,

For ARCHITECTONICS

Regards,  
P. Vignesh & Gaurav Chinnivar  
Co-Founders  
ARCHITECTONICS

## ACKNOWLEDGEMENT

I take this opportunity to express my heartfelt gratitude and appreciation to all those who provided me the support and encouragement to complete these projects. Without their contributions, inputs and suggestions, I would not have succeeded in developing the idea and completing the project. I record my indebtedness to ARCHITECTONICS for giving me a platform to learn during my internship.

My heartfelt thanks to my esteemed guide and mentors, **GAURAV CHINNIVAR & VIGNESH BRINDA** from ARCHITECTONICS, for her valuable advice, endless support and motivation, constantly throughout.

I would like to thank **Dr. Niranjan Chiplunkar**, Principal, NMAMIT and the Department of Computer Science and Engineering for their consistent support and providing me this opportunity to do the internship.

I would like to thank **Dr. Jyothi Shetty**, Head of Department Department, Computer Science and Engineering for their constant support and providing me this opportunity to do the internship.

I would like to thank my Guide **Mr. Raju K**, Associate Professor, Department of CSE for all the support and guidance.

I would like to thank ARCHITECTONICS for providing me with the necessary facilities for carrying out the work.

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I would also like to thank all the technical and non-technical staff of ARCHITECTONICS whose support motivated me to complete the internship.

My un-inching gratitude to everyone who has directly or indirectly contributed to the internship.

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## 1. ABSTRACT

Architectonics is a platform where architects of various kind come together and work on certain projects and they can get the projects from various clients.

Architectonics was started by two Architecture Designers Gaurav and Vignesh in the year 2018, now recently they have renamed as Slabso Pvt Ltd. In Bengaluru

I have worked on Full Stack development of the Architectonics website, which is a collaboration platform for all the architects where architects can interact with each other and post their works of interest

The objective of the internship was to be in the core development of the entire full stack application and deploying it on the cloud

The training was entirely focused on building of the website using web technologies such as React, Express and Node and deploying it to AWS Cloud

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## **2.INTRODUCTION TO THE INDUSTRY**

Architectonics is a platform where Architect designers and other related professionals collaborate and work on the projects related to interior designing, building and constructing also building an community which consists of architects, interior designers, planners, builders, civil contractors, structural engineers, material vendors, architectural photographers to come under one umbrella platform to fruitfully interact and enable professional interactions to search, communicate, educate and to get inspired from each other to start and practice design.

Started in 2018 by Gaurav Amarnath Chinnivar and Vignesh Brinda, now it has been named as Slabso Pvt Ltd and the office location is in Bengaluru.

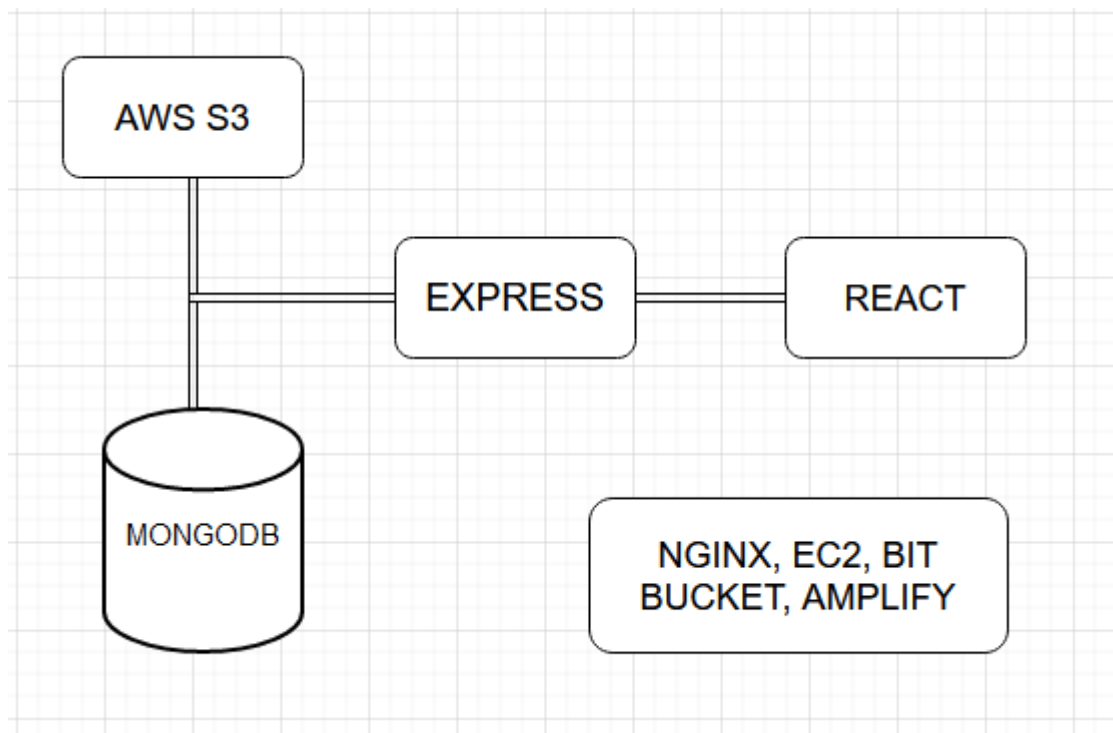
### 3.DETAILS OF THE WORK UNDERTAKEN

The training and work included the following things,

- Building Components for User Interaction
- Building API's and integrating to the Frontend Components
- Making sure the build on the cloud was successful
- Building Cron Job for some the features of the application
- Also worked on the SEO of the website

Below is the System Architecture of the website

#### 3.1 SYSTEM ARCHITECTURE OF THE WEBSITE



*fig3.1.1 System Architecture*

- All the UI components of the website is built using REACT.
- EXPRESS is a NodeJS server which uses REST APIs for the application

## Internship Report

- MONGODB is used for the storing the data in the database and querying them
- AWS S3 is a service provided by the AWS Cloud to store the Media files such as Images etc.
- NGNIX, EC2, BIT BUCKET, AMPLIFY are other cloud functionalities that are been used to develop the website.

### **3.2 FEATURES OF THE APPLICATION**

These are the few features in the application

- There are 5 types of Users in the application, depending upon their roles, they are as follows
  1. DESIGNER
  2. DESIGN FIRM
  3. CLIENT
  4. PHOTOGRAPHY
  5. UNIVERSITY
- A DESIGNER can post his work of interest, he or she can quote a project provided by the CLIENT and he can invite other Designers and all together they can collab and work on one project
- A DESIGN FIRM is like an organization, where they can quote for a project provided by the CLIENT also, they can start a whole new project and post its accomplishments and other details
- A CLIENT is a person who has a project to be completed either by a DESIGNER or a DESIGN FIRM
- PHOTOGRAPHY is an extension of the DESIGNER who is interested to click the photos of ongoing projects
- UNIVERSITY is a place where an architectural institution can share their architectural notes and other study materials (Pending not yet completed)
- Collaboration of the projects and Project Pitching of the Clients are the two key features of the application

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- Authorization pages such as Login and Sign Up
- Check all your Subscriptions
- Quote a Project
- Upload a Project by a CLIENT
- Check the Project Status
- Chat with other Designers who are working on a project
- Ask Question about any topics
- Answer the questions posted by the other designers

## **4. CONCLUSION**

Therefore, I conclude that I have worked on various features of the website also been able to write and optimize the code to meet the desired performance from the website built for Architectonics. This period of 9 months of internship has provided me the knowledge about various tools and software required to build an application and provided me the knowledge of professional behavior. I have come out of the internship more confident in myself and would like to thank ARCHITECTONICS for letting me into their platform for this amazing experience

## 5.REFERENCES

- <https://www.slabso.com/>
- <https://stackoverflow.com/>
- <https://github.com/>
- <https://www.atlassian.com/>
- <https://aws.amazon.com/>