

Yogesh C Gowda

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EXPERIENCE

ISTRAC / ISRO , Bangalore — Apprenticeship

December 2018 - January 2020

DWR (Doppler Weather Radar) RADAR CONTROLLER

> Under the guidance of Mr.Rajan , built an application to control the Radar , by taking user inputs and a few necessary data from 4 other computers which were connected via LAN, and store data in a Database.

> I had been given the responsibility to develop a module for data transfer between the connected devices , including encrypting and decryption (as specified in PRD and FRD) of the data .

>Responsible for coming up with an algorithm for compressing data.

> Languages and technology - Java , netbeans , relational database .

MPAR CONTROLLER

> I developed a software application for Multi Phased Array Radar .

> Backend - developed server client architecture from scratch for flawless communication along with a Database to store necessary data .

> The application uses a GUI that takes necessary inputs from the user and does an enormous number of mathematical operations on the data and sends an output to MTGS(Master Timing Signal Generator) .

> Responsible for manually encrypting data into a 96 byte array (as specified by PRD) .

PROJECTS

Artificial Intelligent website - [Link](#)

> Designed and developed a fully functional web - application that works seamlessly across all the browsers .

>This was primarily designed to detect faces from any image provided by the user and the app keeps track of the user activities and stores the information in the database .

> These information can be further used by data analysts to retrieve meaningful information about the user interests .

>Bcrypt is used to hash the password and securely save users data .

TECHNICAL SKILLS

Javascript.

C++.

Java.

React/Redux.

Node.js / Express.

HTML5 / CSS3.

RestAPI.

MongoDB.

PostgreSQL.

Heroku.

Netlify.

Bash.

Linux .

TECHNICAL AWARDS

Best Project Award -

Fabrication of test rig to
evaluate lubrication
performance of laser textured
journal shaft .

National Level Science Exhibition(KVS) .

Mathematical model to
represent inter-relation
between geometric shapes .

> Designed a relational database using postgresql to store all users information .

> For security reasons designed 2 separate tables one dedicated to store email and encrypted password and another for general purpose user information and linked each other using SQL- transaction .

> Tested the application and deployed both the frontend and backend to heroku.

> Languages and technologies - React , Node, PostgreSQL , Heroku .

Robo-friends - [Link](#)

> Languages and technologies - React .

To-do list - [Link](#)

> It's a completely responsive To-Do list with all the features and animations as well as local storage.

> Languages and technologies - Vanilla JavaScript , HTML-5,CSS-3.

VTU question paper repository — www.vtuxcel.com

2016 - 2018 (Presently Inactive)

> We created a website that had VTU Question Papers of 16 Engineering branches .

> Purpose and Motive - Existing engineering question paper repositories had only papers of 7-8 major core branches and nothing or minimal for the remaining 10-11 branches .

> Technologies - WordPress , GoDaddy (DNS and 100gb Storage).

EDUCATION

Dayananda Sagar College of Engineering , BE(Automobile)

2014 - 2018

VTU - 73.42% .

Kendriya Vidyalaya Malleshwaram , 12th

2013 - 2014

CBSE - 87.8%.

Kendriya Vidyalaya Malleshwaram , 10th

2011 - 2012

CBSE - 83.6%(8.8 CGPA).

SOFT SKILLS

Adaptability .

Interpersonal Skills .

Flexibility.

Problem Solving Skills

Team Player.

Communication Skills.

ACHIEVEMENTS

Scouts and Guides - Tritiya Sopan.

Cricket Team - Represented school and college in Regional level .

Toto funds the arts 2018 -
Acted in a short film
(Moogana Telephone) which
topped 4 out of 120 entries .

LANGUAGES

English

Kannada

Hindi

Tamil

Telugu