BHUMIKA RAVISHANKAR

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PROFILE SUMMARY

Bhumika Ravishankar, an enthusiastic fresher in the IT and Software Development field. Possessing a strong background in full stack development, I am driven to deliver exceptional results and drive project success. With a passion for full stack development, I am eager to bring my skills to a dynamic organization where I can continue to grow and make a positive impact.

TECHNICAL SKILLS

- **Core Java**
  1. Good hold on OOPS
  2. Knowledge in Inheritance, Abstraction, Polymorphism and Encapsulation.
  3. Knowledge in Libraries-Objects, Strings, StringBuffer, StringBuilder, Wrapper Classes.
  4. Knowledge in Exception Handling.
  5. Knowledge in Threads and Multithreading.
  6. Good hold on Collections-Sets, Lists, Queues, Maps
- **Softwares**: Oracle DB, Unreal Engine, VS Code, Eclipse
- **Programming Languages**: Java, HTML, CSS, SQL, Basics of Javascript
- **Database - Oracle SQL**
  1. Good knowledge in DBMS and RDBMS.
  2. Good hold on Constraints, Functions and SQL commands - DQL, DDL, DML, TCL, DCL.
  3. Knowledge in Subqueries and Joins.
  4. Knowledge in Set operators, Pseudocolumns and Normalisation.
  5. Hands on experience in writing queries.

EDUCATION

BE, Electronics and Communication Engineering, Global Academy of Technology, VTU, Belagavi 2017 - 2021

Year of Graduation: 2021
CGPA: 8.14

PUC (PCME), Kumaran's Composite Pre-University College, Department of Pre-university Education, Bengaluru 2015 - 2017

Year of Completion: 2017
Percentage: 85%

10th Standard, The Oxford Senior Secondary School, C.B.S.E 2005 - 2015

Year of Completion: 2015
CGPA: 9.6

WORK EXPERIENCE

Intern March, 2020 - September, 2020

Frontera Displays, Bengaluru

- Department: Embedded Software Development division and the Web Development division
- I worked on a project to find a solution to centralize the working of a P10 LED panel using the ESP32 microcontroller.
- ESP32 was used to control the contents of the panel. A server was communicating with the ESP32 and the data on the server was displayed on the LED panel.
- The server has a user-friendly interface which allows the users to upload an image on the server webpage.
- Temperature and humidity sensors were also integrated with the panel and ESP32 to provide additional information. The data from the sensors was monitored on the server webpage.

MINI PROJECTS

1. Sudoku Solver using backtracking algorithm (in Java)
In association with Department of ECE, GAT
2. Interfacing an LED matrix (RGB) with ESP32
In association with IIICell and Frontera Displays
3. Student Database System
A student database system written in Java (using the concepts of OOPS and Libraries)

PROJECT

Design and development of car driver simulator for safe road travel

- Technologies: Internet of Things, 3-D printing technology and mechatronics.
- A simulation tool designed to train novice drivers in a safe virtual environment. ESP32 microcontroller was interfaced with hardware and software to provide the user an interactive experience. The interactive simulation was built using Unreal Engine.
- We received the 1st place in the SKIT Project Expo, 2021 for this project.

SKILL TRAINING

Java Full Stack
Currently pursing training on Java Full stack in JSPIDERS BASAVANAGUDI

Workshop on Latest Trends in VLSI Technology
Department of Electronics and Communication, GAT in association with Entuple Technologies

EXTRA CURRICULARS

1. Completed junior grade in music vocal, undergoing training for the next levels
2. Participated in VTU Youth Fests
3. Hobbies include singing, photography, painting, blog writing and reading.
4. Lead the college cultural team 'Kalaparva'