

# VARNIKA BAGARIA

Programmer | Developer

@ varnikabagaria0110@gmail.com

BLR, India

6363506566

VarnikaB

varnika-bagaria



## WORK EXPERIENCE

### Software Intern

#### Sports Index

Aug 2021 – Dec 2021

BLR

- Responsible for understanding requirements and how they translate into application features
- Evaluating existing applications to reprogram, update, and add new features
- Developing technical documents and handbooks to accurately represent application design and code

### Intern

#### Durga Foundations

Apr – June 2021

BLR

- Helped to redesign and improve the look and feel of the application.
- Helped in coding the JavaScript cloud function

## EDUCATION

### Bachelor in Science in Data Science

#### Indian Institute of Technology, Madras (Online)

Dec 2020 – ongoing

- Course Work: Maths, Statistics, Computational Thinking, Python, DBMS, Flask, Programming in Java and Python, Machine Learning Foundations, Business Data Management

### Bachelor in Technology in Computer Science

#### RNS Institute of Technology

Aug 2018 – July 2022

- Course Work: Computer Architecture; Data Structures, Cloud Computing, Discrete Mathematics; Algorithms; Databases; Operating Systems; Programming Languages; Computer Networks, System Software, Artificial Intelligence and Machine Learning, Big Data, NoSQL databases

## PROJECT WORK

### Sudoku Cops

#### Tools: Android Studio, OpenCV

- We are solving a Sudoku puzzle by capturing the real-world image of Sudoku
- Application of image processing

### Story Simulation

#### Tools: C, OpenGL library

- User interactive program where the User can manipulate the required display
- Scientific computer simulation of the story with the efficient use of keyboard and mouse keys

### Bio-metric Smart Attendance System

#### Tools: Android Studio, Firebase

- Allows live marking of attendance by student as per teacher's instructions.
- Consists of admin, teacher and student login system

### Book Recommendation System

#### Tools: Jupyter, Machine Learning, Python

- User will be able to find 10 recommended books based on the previous book
- Uses several Machine Learning libraries.

## PUBLICATIONS



**Comparative analysis of Consensus Algorithms in Blockchain Technologies**  
Published: July 16, 2021 in IJCA



**Comparative Analysis of Data Encoding Technique**  
Published: Feb 8, 2021 in IJCSET

## SUMMARY

Motivated, analytical aspiring Program Developer, Collaborative, team player with efficient time management. Passionate on problem solving.

## ACHIEVEMENTS



### PROP 2021

Secured first place for Computer Graphics project and second place for Android project



### PROP 2020

Secured first place for Android project



### Coding Competitions- 2018

Secured 1st place



### Kickstart

Secured 2690th rank (Highest)

## PROGRAMMING

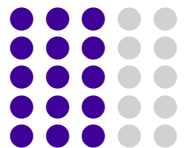
Python

Java

C++

HTML/CSS

SQL



## SOFTWARE & TOOLS

Jupyter

MS Office

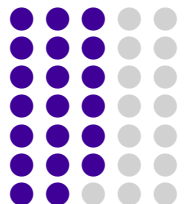
Wordpress

Android Studio

Firebase

Oracle SQL

Flutter UI



## PLATFORMS

Windows

Unix

Git



## CERTIFICATIONS

- Data Structures
- Database Applications
- Introduction to Data Science
- Object Oriented Programming
- Operating System
- Building Web Applications in PHP
- Machine Learning

## CODING-PROFILES LINKS

- Hackerearth- 1rn18cs115.varnika
- Hackerrank- varnikabagaria01
- Kickstart