

# Goutham Swamy D D

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## EDUCATION

### BMS Institute of Technology

Bachelor of Engineering in Computer Science and Engineering; CGPA: 9.59

Bengaluru, Karnataka

Dec. 2021 - Present

### Sri Sathya Sai Loka Seva P.U. College

Pre-University College; Percentage: 96%

Alike, Karnataka

2018 - 2020

## PROJECTS

### Split Smart | React Native, Native-Wind, Expo

May 2024

- Developed a mobile application using React Native for cross-platform compatibility.
- Implemented Optical Character Recognition (OCR) using tesseract.js to scan and parse bill details.
- Enabled users to split bills among friends seamlessly and efficiently.

### Policy Approval System | Solidity, Ganache, Remix

Jan. 2024

- Developed a decentralized application (dApp) using Solidity smart contracts.
- Used Ganache for local blockchain development and Remix for Solidity IDE.
- Implemented a policy approval system where users can propose and approve policies via blockchain.

### Flight Reservation System | HTML, CSS, React, NodeJs, PostgreSQL

Sep. 2023

- Developed a full-stack flight reservation system to manage flight bookings efficiently.
- Utilized React for the front end, Node.js for the backend, and PostgreSQL for the database.
- Built a robust RESTful API using Express.js framework.
- Implemented Dijkstra's algorithm to find the shortest path for flight routes.

### Voting System | C, C++

July 2022

- Designed a Voting System in C++ with a user-friendly UI.
- Implemented search algorithms (linear search, binary search) for efficient data retrieval of voter information and candidate details.
- Used hash maps (unordered\_map) for quick lookup of voter IDs to prevent duplicate voting.
- Secured 2nd place in the Project Based Learning Open Day competition.

## COURSEWORK

**Courses:** Operating Systems, Object-Oriented Programming in Java, Data Communication and Network, Data Science and Machine Learning, Data Structures and Algorithms, SQL Database Management, Blockchain, Big Data Analytics

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

**Frameworks:** React, Node.js, Redux, React-Native, Expo

**Developer Tools:** Git, VS Code, Visual Studio, Postman, XCode, Android-Studio, IntelliJ, Eclipse, Wireshark

**Libraries:** react-router-dom, axios, moment.js, MaterialUI, tailwindcss, nativewind

## CERTIFICATIONS

**Web Development:** Udemy Full Stack Web Development (Source)

July 2024

**Python Development:** 100 Days of Code: The Complete Python Pro Bootcamp

July 2024