

SAARAA KAZI

FULLSTACK DEVELOPER

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EDUCATION

M. H. Saboo Siddik College of Engineering

Bachelor's in Computer Engineering | June 2021

- Securing CGPA – 8.58

M. H. Saboo Siddik Polytechnic

Diploma in Computer Engineering | June 2018

- Completed undergraduate diploma; 84.81%

St. Agnes' High School, Byculla

10th Grade – SSC Board | June 2015

- Passed with distinction – 90.80%

TECHNICAL SKILLS

HTML/CSS, JavaScript, MEAN stack, AngularJS, Ionic Framework, Material Design, C#, Azure, PHP, MySQL, MSSQL, C, C++, Python/Flask, Adobe XD, GitHub, GitLab, JIRA, AWS, SSMS, Adobe Illustrator, Inkscape, Figma

SOFT SKILLS

Project Management, Documentation, Oratory skills, Event planning, Designing

WORK EXPERIENCE

FullStack Developer

MilesIT, New Jersey | August 2023 – October 2024

- Implementing features and resolving issues on multiple projects
- Providing recommendations on improving system performance
- Maintaining and upgrading system codebases

Lead Software Engineer

Bitkraft Technologies | August 2022 – August 2023

- Handling communications and Technical Team Lead on a major client project.
- Mentoring new joiners and interns and strategizing solutions.
- Developing new logic and components
- Conducting code reviews

FullStack Developer

Bitkraft Technologies | January 2022 – July 2022

- Angular based FullStack development for Online IDE platform.
- Sole frontend developer on a major client project.

Software Engineer

Bitkraft Technologies | June 2021 – December 2021

- Sole developer on a cross-platform Angular Application using the Ionic framework for Mobile and Web Development.

Web Development Intern

Success Tutorials, Ontario | Dec 2020 – May 2021

- Developed and deployed a student-tutor finding web portal.

Software Development Intern

CHMI Indobionics | June 2020 – September 2020

- Testing new programs, making modifications in existing programs, and subsequently developing these modifications.

ACHIEVEMENTS

- Zonal Level Android App Development – Winner
- Atharva Hackathon 2019 – Winner
- Inter-College Technical Project Presentation – 2nd Prize

COURSES

- Certified course; C Programming – Aptech.
- Certified course; Arduino – Spoken Tutorial, IIT Bombay
- Certified course; PHP and MySQL – Spoken Tutorial, IIT Bombay

ACADEMIC PROJECTS

Cricket Statistics API | June 2021

A Python API using Flask framework for accessing cricket information from a dummy database.

Object Detection and Tracking | June - December 2020

Object detection and tracking of fast moving objects for analytics using Machine learning model, Darknet and Mask-RCNN.

AI based Crop Detection | January 2020

A Mobile application for SIH2020 hackathon that performs crop detection using AI and Deep Learning models such as VGG16. Created own dataset of crop images.

eYRC : Supply Bot | August 2019 - March 2020

A Robot for the E-Yantra Robotics competition 2019-2020.

The project included computer vision, microcontroller programming and delivery mechanisms.

CodeAdventure FINTECH | June - July 2019

An interactive Real Time Analysis Dashboard for Aditya Birla Finance Ltd.

FridgeCam | March 2019

A hardware module using Raspberry Pi and Pi Camera that can be connected to any fridge and can detect objects in it.

EXTRA CURRICULARS

- Organizing team - Entrepreneurship Development Cell | Degree 2019 - 2020
 - Editor and Designer - Departmental newsletter and magazine; Bits and Bytes | Diploma 2016 - 2018
 - Student Coordinator - Technical Fest; Ignium | 2017 and 2018
 - Student Coordinator - Cultural Fest: Tech Dept; Torque | 2017 and 2018
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PROJECTS

Therapy for students (HealthCare Product) | August 2023 - October 2024

Angular and C# based product.

- Implemented new features in the system
- Worked on resolving bugs and inconsistencies in the logic
- Maintaining the system through regular upgrades, scans, performance improvement implementations and Basic Security
- DB used was MSSQL
- Hosted on Azure

National Choir Management Portal | November 2023 - October 2024

Angular and C# based portal.

- Implemented new features in the system
- Worked on resolving bugs and inconsistencies in the logic
- Maintaining the system through regular upgrades, scans, performance improvement implementations and Basic Security
- DB used was MSSQL

Spanish Language learning Portal | November 2023 - October 2024

Angular and C# based portal.

- Implemented new features in the system
- Worked on resolving bugs and inconsistencies in the logic
- Maintaining the system through regular upgrades, scans, performance improvement implementations
- DB used was MSSQL

Plant Selling Business App | January 2024 - October 2024

Angular and C# based application.

- Implemented new features in the system
- Worked on resolving bugs and inconsistencies in the logic
- Maintaining the system through regular upgrades, scans, performance improvement implementations
- DB used was MSSQL

Health care Product Revamp - Moving to Web from Desktop application | March 2021 - August 2023

Angular based development for Health care product.

- Co-created the base architecture and structure of the app
- Sole UI developer for the app
- Created components, following reusability and OOPS concepts.
- Mentoring and resolving doubts for teams and new joiners on the project
- Currently the Technical Team Lead responsible for developing reusable components, version control tasks, all communications with the client, strategising methods for task implementation and problem solving.

Online IDE Application | November 2021 - April 2022

Angular based development for Online IDE platform.

- Created a core authentication (login, registration) app from scratch using the Ionic framework in Angular
- Added functionality for role management for admins, students and tutors using guards, error handling using interceptors
- Created the backend using Node.js and express
- Hosted on AWS

Religious Education Mobile App | June 2021 - April 2022

Developing a cross-platform Angular Application using the Ionic framework for Mobile and Web Deployment.

- Handled client communication and requirements gathering
- Communicating with designer for design enhancements and suggestions
- Using the Ionic framework made enhancements and a full UI revamp on the Angular app
- Made backend changes using PHP Yii2 Framework
- Hosted on AWS

Editorial - A student-Tutor Web portal | December 2020 - June 2021

Developing a student-tutor finding web portal.

- Created a web portal UI frontend using PHP, HTML 5, CSS 3, AJAX, JavaScript
- Backend using MySQL, phpMyAdmin
- Hosted on Microsoft Azure

Cricket Statistics API | June 2021

A Python API using Flask framework for accessing cricket information from a dummy database

- Created schema for the database using an online tool - dbdiagram
- Created the RESTful API for POST, GET, PUT and DELETE requests using the Flask framework
- Tested on Chrome, Firefox and Safari browser tools using browser plugins for testing REST APIs

Object Detection and Tracking | June - September 2020

Object detection and tracking of fast moving objects for analytics using Machine learning model, Darknet and Mask-RCNN.

- Created own dataset by writing a script and extracting frames from videos and labeling the required objects in the extracted frames
- Trained the dataset for detection of fast moving objects using Darknet (Yolov3) and Mask-RCNN
- Ran the test on the video

AI based Crop Detection | January 2020

A Mobile application for SIH2020 hackathon that performs crop detection using AI and Deep Learning models such as VGG16. Created own dataset of crop images.

- Figma for designing the UI and mockups
- Used Android Studio and Java for creating the mobile application
- Google co-ordinates(latitude and longitude) and Camera integration in the mobile app
- fastAI for state-of-the-art results
- Google colab, VGG16 and Deep Learning models for training the dataset

eYRC : Supply Bot | August 2019 - March 2020

A Robot for the E-Yantra Robotics competition 2019-2020.

The project included computer vision, microcontroller programming and delivery mechanisms.

- Used computer vision for detecting the packages(objects) on the field map
- Used Arduino Atmega368 for powering the motors, servo
- Created a custom external power source
- Fusion 360, for creating a design of the delivery mechanism

CodeAdventure FINTECH | June - July 2019

An interactive Real Time Finance Analysis Dashboard for Aditya Birla Finance Ltd.

- Used Adobe XD to design the mockup and wireframes of the UI
- Used HTML 5, CSS 3, Javascript for the frontend dashboard
- Python libraries: pandas for data manipulation using the dataset provided
- Plotly for generating and plotting graphs
- Jupyter notebook for training the dataset and data analysis

FridgeCam | March 2019

A hardware module using Raspberry Pi and Pi Camera that can be connected to any fridge and can detect objects in it.

- Created a dataset of the objects that are found in refrigerators. Used tensorflow package with python for the detection.
 - Raspberry Pi and Pi camera for sending the data to the firebase database after detection from the Pi Camera.
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