

# SUBHASHIS SUARA

School of Computer Science & Engineering, XIM University  
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## EDUCATION

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### XIM University

Bachelor of Technology  
Computer Science & Engineering

June 2019 - Present  
Semester 6 - 9.67 CGPA

### Sai International School, Class XII

Higher Secondary School

April 2019

91.6 %

### Sai International School, Class X

High School

March 2017

CGPA 10

## EXPERIENCE

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### CERN | Openlab Summer Student

Openshift, ReactJS, PHP, Kibana, Docker, Bash, GitLab CI, VS Code Server (code-server), Drupal

Geneva, Switzerland

June 2022 - August 2022

- Developed a web platform for users to view various types of logs and metrics of their drupal sites. The platform has a notable impact on the CERN community by making logs and metrics of over 1000 drupal sites easily accessible to users via the CERN Web Services Portal.
- Created GitLab CI configurations and bash script to provide full-fledged remote development environment (using code-server) for openshift deployments to users on-demand.
- Participated in various openlab summer student lectures, activities and workshops conducted by CERN.

### Intrinsic Science Labs | Full Stack Developer Intern

ReactJS, NodeJS, ExpressJS, MySQL, Docker

Hyderabad, India - Remote

Oct 2021 - Feb 2022

- Designed & developed online examination module.
- Integrated BigBlueButton (Open Source Web Conferencing Software) with assigned project.
- Built exam creation tool with support for insertion & previewing of LaTeX equations.

### Knowledge Lens | Backend Developer Intern

Flask, ArangoDB, Minio, PySpark

Bengaluru, India - Remote

May 2021 - July 2021

- Built services & handlers for intranet portal and dashboard graph report.
- Developed a program to periodically backup data from server & notify the admin via email.
- Created automation scripts for database manipulation & extracting data from files into JSON format.

## ACHIEVEMENTS & POSITIONS OF RESPONSIBILITY

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- Coordinator** of Xplore, The Computing Society at University
- Contributed** to Open Source Projects in Hacktoberfest 2020, 2021
- Digital & Technology **Advisor** at Yuva Utkal Foundation
- Winner** of Trithon Hackathon 2020 among 160 teams.
- Worked as Joint IT **Director** of Technology for organizing Xuphoria 2020.
- President** of Xplore Coding & Circuit Club at University
- All India topper** in Grade 2 Band Based Keys conducted by Rockscool in 2015.

June 2021 - June 2022

May 2020 - Feb 2021

Dec 2019 - Nov 2020

## SKILLS

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### Programming Languages

### Web Technologies

### Mobile Technologies

### DBMS

### Others

• Python • JavaScript • C/C++ • Java  
• HTML5 • CSS3 • ReactJS • ExpressJS • NodeJS • PHP  
• React Native • Flutter • Android  
• MySQL • MongoDB  
• Git • Bash • Docker • Openshift • GitLab CI • ElectronJS • LaTeX

## PROJECTS

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- **IoT Dashboard:** IoT Dashboard is a real-time web application made using ReactJS, NodeJS, ExpressJS & MongoDB. Data is generated by sensor(s) in raspberry pi and sent to the Node server via WebSockets. The server then, broadcasts the data to all the connected React clients and the sensor data gets displayed on the dashboard in real-time. The app consists of features such as admin login, Chart.js integration for displaying real-time data graph and text-based data components.
- **Smart Health Monitoring System:** Smart Health Monitoring System is a real-world application of IoT Dashboard. An IoT device collects various vital data such as heart rate, oxygen saturation, body temperature from the patient and transmits the data to the Node server via WebSockets which then gets displayed on the monitoring dashboard available to doctors and health staff. This project aims to make patient monitoring easy and efficient.
- **ChatQube:** ChatQube is a chatting web application made using ReactJS, NodeJS, ExpressJS & MongoDB. All registered users show up in the search list and users can create groups with other members. There is a caching system in place to optimize the number of requests to the server and to decrease loading times of the clients.
- **Memeistic:** Memeistic is a meme maker app made for android. The app consists of features such as opening meme template from gallery or capturing photo using the camera, adding top and bottom meme text, moving top and bottom meme text position by dragging, changing top and bottom meme text color & text font size, adding color filters, saving & sharing the meme.
- **Anime Heaven:** An anime video streaming website made using HTML, CSS, JavaScript, PHP & MySQL. Some of the included features are searching for movies in database, registration & login page, account page, admin page, dynamic data fetching & displaying on the home page.
- **CertBot:** CertBot is a certificate maker bot. It requires a master certificate in .pfx format with placeholders for name and date and an excel file containing the data. It then generates the certificates in .pfx format, converts them to .pdf format into an output folder. This bot eliminates the unnecessary human effort required to create bulk certificates.
- **Cube Showdown:** An arcade game where the player is represented by a blue block and has to avoid obstacles to progress through the levels in the game. It was developed using Unity Game Engine and C# in Visual Studio.
- Above projects and more at: [subhashissuara.com/#projects](https://subhashissuara.com/#projects) or [github.com/subhashissuara](https://github.com/subhashissuara)

## CERTIFICATION

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- **Full-Stack Web Development with React Specialization** by The Hong Kong University of Science and Technology at Coursera
- **Open Source Software Development, Linux and Git Specialization** by The Linux Foundation at Coursera
- **Deep Learning Specialization** by deeplearning.ai at Coursera
- **An Introduction to Programming the Internet of Things (IOT) Specialization** by University of California, Irvine at Coursera
- **Full Stack Web and Multiplatform Mobile App Development Specialization** by The Hong Kong University of Science and Technology at Coursera
- **Data Science with Python** course at DataCamp
- **Getting Started with Go** by University of California, Irvine at Coursera
- **The Unix Workbench** by Johns Hopkins University at Coursera
- **AWS Fundamentals Specialisation** at Coursera
- **Getting Started with Google Kubernetes Engine** by Google Cloud at Coursera
- **Python 3 Programming Specialization** by University of Michigan at Coursera
- **Version Control with Git** course by Atlassian at Coursera
- **Automate the Boring Stuff with Python Programming** course at Udemy

## PARTICIPATION

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- **Honorable Mention** in 2019 ICPC Asia Kharagpur First Round Online Programming Contest
- **Pre-Qualifiers** in International Space Apps Challenge 2019