



## Sachin P. R.

D.O.B 19/03/1994

A highly motivated technology aspirant and a creative designer who is constantly trying to gather new knowledge.

Creative, hardworking and ethical person who believes in the power of teamwork. The amazing advances in the field of technology has always kept me curious.

Programming is something that I enjoy a lot. I am an explorer of the different possibilities that it offers.

## Address

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## Education

### High School

CBSE X - The Greenhills Public School, Wayanad  
CGPA: 9.6

2010

### Secondary School

CBSE XII - The Greenhills Public School, Wayanad  
Average: 89.6%

2012

### Bachelor of Architecture (B.Arch)

National Institute of Technology Calicut  
CGPA: 7.03  
GATE Architecture: All India Rank 10

2012 - 2017

### Master of Technology (M.Tech)

Building Technology and Construction Management  
Indian Institute of Technology Madras  
CGPA: 9.14

2017 - 2019

## Relevant Work Experience

### Nadhi Information Technologies

acquired by **Bentley Systems Inc**  
Software Engineer I

2019 - present

Nadhi provides technology solutions for the field of construction. I was able to secure the opportunity to work with team Nadhi after completing 1 year internship with them during M.Tech. They had a great solution for tracking the performance and generating realtime analytics for large construction projects. The company was incorporated into Bentley Systems Inc in 2021 April. The contributions made are stated in chronological order.

#### MAJOR WORKS:

Completed an entire module from scratch including Prototyping and Design, Frontend development and API requirement for "Building Information Model" 3D web viewer/ digital twin using **Techsoft3D HOOPS** into the nPulse construction monitoring software using **JS** and **JAVA**. After which this was implemented for clients like "L&T Constructions India" and "Delhi Metro Rail Corporation" with continuous support and consultation.

Completed another module from scratch including Prototyping and Design, Frontend development and API requirement for digital twin application using **iTwin.js**, **React.js** and **Java**.

#### MINOR WORKS:

Coding high performance programs using **web assembly** to improve user experience for 3D applications in browser.

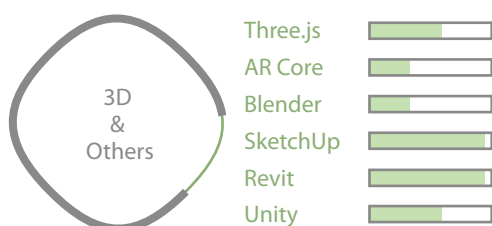
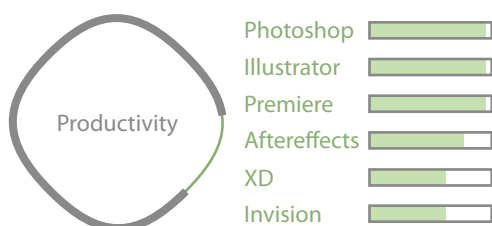
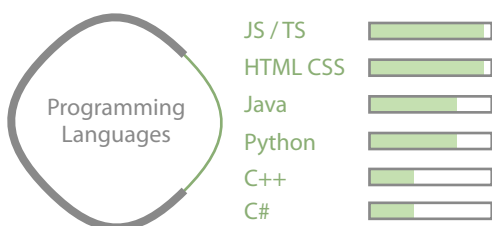
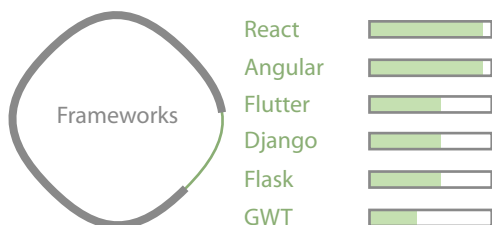
API development of **Java based GWT** web application.

Handle datasets for large construction projects for creating 5 dimensional simulations. **SQL** support for client side server deployment.

## Expertise



## Skills



## Internship Experience

### Software Internship (6 months)

Nadhi Information Technology, Chennai

2019 ●

The internship was done as a part of the course project for post graduation. The project included exploring smart construction by integrating "Building Information Model" technology to an existing Java web-application. The internship helped land a job at the same company to continue the project. The work done was published in international conference. [↗](#)

## Other Experience

### yCorp Technologies Private Limited

Founding member of Startup

2020 - present ●

The startup was founded by 3 members coming from technology background and with provicient software development skills and the will to put their knowledge to some practical use.

The major work done as a part of the team was an e-commerce application that would allow devotees to book pooja in Hindu Temples. The entire application consisted of an **Angular** based web application, **Flutter** based mobile application and **Django** based backend deployed in AWS servers. The frontend was developed for two use cases: Cutmomer booking application and Temple management application.

Few smaller application were also built as a consultancy service on based on **ML** and **AR/XR** also.

## Volunteer Experiences & Responsibilities

### Head of Institute Design Team:

Technical student body @ IIT Madras

2019 ●

### General Secretary of Architecture Student's Association:

Technical student body @ NIT Calicut

2015 ●

### Founding member and Event Coordinator:

Adizya'14 , Tathva'14 @ NIT Calicut

2014 ●

## Languages

Malayalam : Fluent

English : Fluent

Hindi : Read, Write, Speak

Tamil : Read, Speak

## Hobbies

Painting

Short-films



Graphic design

Football

FPS gaming

Badminton