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. Coding was something that came to me at just the right moment and it just made sense that this was meant to be.

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Education

High School   2010
CBSE X - The Greenhills Public School, Wayanad
CGPA: 9.6

Secondary School   2012
CBSE XII - The Greenhills Public School, Wayanad
Average: 89.6%

Bachelor of Architecture (*B.Arch*)   2012 - 2017
National Institute of Technology Calicut
CGPA: 7.03
GATE Architecture: All India Rank 10

Master of Technology (*M.Tech*)   2017 - 2019
Building Technology and Construction Management
Indian Institute of Technology Madras
CGPA: 9.14

Relevant Work Experience

Nadhi Information Technologies   2019 - *present*
acquired by **Bentley Systems Inc**
Software Engineer I

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.

Creating plugin for Autodesk Revit for viewing construction status within the software using dotNET framework.

Completed development and integration of "Building Information Model" 3D web viewer/ digital twin using Techsoft3D HOOPS into the nPulse construction monitoring software using Javascript.

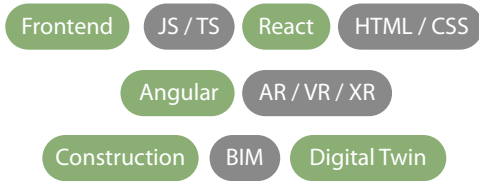Coding high performance programs using web assembly to improve user experience for 3D applications in browser.

API development of Java based GWT web application.

Handle datasets for large construction projects for creating 5 dimentional simulations. SQL support for client side server deployment.
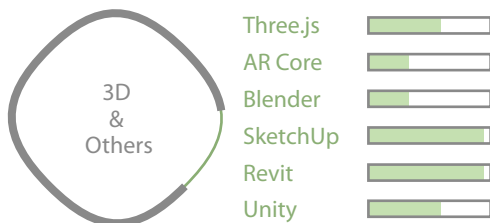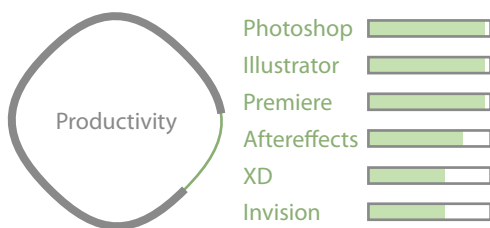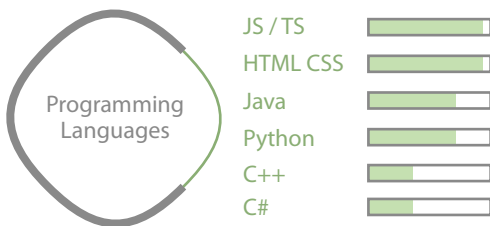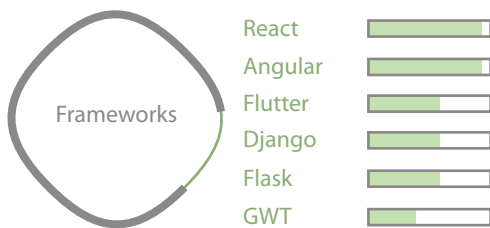
Design and development of digital twin application using iTwin.js and React.js.

Consultation on Building Information Model solutions for clients like "L&T Constructions India" and "Delhi Metro Rail Corporation". The interaction with client lead to design of practical workflows for the digital twin application.

Expertise

Frontend JS / TS React HTML / CSS

Angular AR / VR / XR

Construction BIM Digital Twin

Skills

Frameworks
- React
- Angular
- Flutter
- Django
- Flask
- GWT

Programming Languages
- JS / TS
- HTML CSS
- Java
- Python
- C++
- C#

Productivity
- Photoshop
- Illustrator
- Premiere
- Aftereffects
- XD
- Invision

3D & Others
- Three.js
- AR Core
- Blender
- SketchUp
- Revit
- Unity

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.

Link to project video

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.

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