

Tarun Sankhla

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Github -  [tarunsankhla](https://github.com/tarunsankhla)

Portfolio -  tarunsankhla.github.io

EDUCATION QUALIFICATIONS

- **University of Mumbai**, Bachelor of Engineering in Information Technology, **GPA:8.57/10** 07/2016 - 09/2020
Relevant CourseWork: Advanced **Data Structures & Analysis of Algorithms**, Operating Systems, **Artificial Intelligence**, Data Mining & Business Intelligence, Database Management Systems and **Cloud Computing & Services**.
- Jai Hind College, Mumbai, Higher Secondary Certificate (HSC), Percentage: 78.62 % 2014-2016
- St. Sebastian Goan High School, Mumbai, Secondary School Certificate (SSC), Percentage: 81.40% uptill 2014

PROFESSIONAL EXPERIENCE

Razorpay - XPayroll, SDE (Software Development Engineer) 07/2020 - present

- Working on Server Side rendering application which is used to manage Enterprise finances, payouts, contractor payment and their integration. Utilizing stack of PHP, **Laravel**, **React js** and **Kubernetes**.
- The most significant impact was for automating the integration of payments for refund, insurance endorsement and their renewals which roughly generates revenue of 100k \$ per month.

Capgemini Technology Services India Limited, Software Engineer 01/2021 - 07/2022

- Utilized GRPC APIs, Javascript for Orbit Studio Application, Swordfish, WPFEditor which are **General Electronics** operational products consumed by **Baker Hughes**.
- Consumed RESTful web services using **HttpClient**, worked on Database Management Systems, WEB APIs & Automation Framework and also developing **GRPC API**, C# and **SQL** server

Bitkraft Technologies LLP, Backend Developer 11/2020 - 1/2021

- Worked on developing a data modeling tool for performing data analysis of market specifically in Nation Stock Exchange using shell scripts of **Python** automation with preloaded datasets.
- Utilized Cipher within **NEO4j** to implement graph databases to form relation between entities of the data and integrating data modeling and also graphical representation using Neo4j.

Harrier Information System Pvt. Ltd., Full Stack Developer (Full time intern) 12/2019 - 2/2020

- Developed dynamic customized register generation Web Module by using Node JS and Angular JS for **GOVEVA**, which generates form structure; also utilized NPM (Node js) for **Web Scraping** data to perform automation and enhance user experience.
- Led a team to collaborate and the creation of static web pages for data storage and compliance.

Revolux Solutions Pvt. Ltd., Mobile Application Developer (Full time intern) 06/2019 - 09/2020

- Worked on development of Supple Ecommerce android application; utilized Balsamiq Wireframe to develop UI layouts & implemented Dynamic Multiple Auto Fragment Sliders in android using JAVA
- Contributed to developing interface layouts and partial activity for application function by using Android studio (Native).

RESEARCH PAPERS & CERTIFICATIONS

- **Publication**: Published a research paper in a scopus indexed journal-IEEE Xplore under the 2021 **International Conference on Communication Information and Computing Technology (ICCICT)** titled "A Pragmatic Approach in Enhancing the Health Care Industry Using Augmented Reality and Virtual Reality", June 25-27, 2021, Mumbai, India.
- **Publication**: Published another research paper titled as "Developing Markerless Augmented Reality for Furniture Mobile Application", **International Journal of Education and Management Engineering (IJEME)**, Vol.11, No.1, pp. 11-18, 2021. DOI: 10.5815/ijeme.2021.01.02
- **Certification**: Certified from **University of California San Diego** in **Big Data** Specialization. Course duration is approximately 31 weeks including 6 sub-course certification in **Introduction to Big Data**, **Big Data Modeling and Management Systems**, **Machine Learning With Big Data**, **Big Data Integration and Processing**, **Graph Analytics for Big Data** and **Big Data - Capstone Project**. Skills gained during the specialization Apache Spark, MongoDB, Neo 4j, Apache Hadoop, Cloudera, Graph Database, Data Modeling, Splunk and Data Management.
- **Certification**: Recognized by **Neo 4j Graph Academy** for Professional level knowledge of Neo 4j.

- **Certification:** Certified by **Google** for a course based on IT Automation using **Python**, skills gained from the course are Python Programming with Data Structures, **Object-Oriented Programming (OOP)** in python.

PROJECTS & HACKATHONS

- **SEHAT EASY** [LIVE](#)
Developed a Single Platform Multiple Health Services web application - SehatEasy to minimize healthcare cost at the end-user level at the same time to enhance the visibility and reputation of healthcare service providers. Impacting more than **10,000+** lives. Features involved Live chat with doctors and **Dynamic Search Optimization**. Tech stack used: **Firebase, AWS, Node js** and Angular.
- **Innovation Idea Portal** (Hackathon project - Web application)
Developed a web application of an Innovation Idea Portal in **SMART INDIA NATIONAL HACKATHON** wherein institute can hold hackathons and competition with which they can operate and also manage their activities. Hackathon was developed by using a stack of AngularJS, Nodejs (RESTFull APIs) and MongoDB.
- **Furniture Application based on Augmented Reality**
Created an **Android** application that allows users to experience furniture and view a 3D representation of that furniture in real-time. The object model simulates the environment using plane inclination, motion tracking, environmental understanding and visibility light estimate using **Artificial Intelligence**, and then renders the 3D object and other multiple objects. Tech stack used: **Arcore, JAVA** and threeJS.
- **EQUINOX PARTNER LLC, (SYSTEM DEVELOPER Full time intern)**
Developed an Android application for **AR magazines** that uses image targets on magazines with the help of Qr Code and Image Pixels with **Autofocus script in Unity Vuforia for Ar camera** and can be used for business marketing; Technologies and Tools used: **Unity, ArCore, 3d Model, Node JS**

TECHNICAL & PROGRAMMING SKILLS

- **Technical:** Node js, React JS, Typescript, Angular, MongoDB, ExpressJS , Python, C# and PHP.
- **Application/IDE/Tools:** Visual Studio, Neo4j, VS code, GitHub, Docker-Hub, PHPStorm.

EXTRACURRICULAR ACTIVITIES

- Contributed and Collaborated as an intern for the **International Association of Human Values** at **NGO - Art of Living** for their project “Watershed Management in Maharashtra” in increasing the agricultural yield on farms and ameliorating the problems of drought; by mapping of water reservoirs in the state of Maharashtra via (Google Earth Pro) technology. Developing the project in the first half of the academic year 2019-2020 for about 6 months.
- Part of National **NGO** committed to Health, Education & Development IDF - Organization in Special Consultative Status with the Economic and Social - **INDIAN DEVELOPMENT FOUNDATION (IDF)** as *Mentoring for Students Leadership Programme (SLP)*.
- Organized a Virtual Reality-Based Event for my college tech fest with being part of the committee. With a VR set that provides the experience of augmentation in real-time.
- I write blog posts about new technologies I am working on that could actually help members of the community; some of my articles have received more than **1500+** views.

Linkedin -  [tarun-sankhla](#)

Blog -  [tarunsankhla.hashnode.dev](#)