AMAR SINGH

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Education

Thakur College of Engineering & Technology, University of Mumbai, India	**2018 - 2022**

- Bachelor of Engineering (B.E) in Information Technology | CGPA: **8.17/10** (*till sem 6*)

Matruchhaya College, India	**2017 - 2018**

- *HSC (Class XII), Aggregate: **70.62%***

Tambe Education Society, India	**2015 - 2016**

- *SSC (Class X), **73.4%***

Technical Proficiency

Languages: Java, C, JavaScript, C++, Python, HTML, CSS and PHP.

Database: MySQL, MongoDB, SQLite.

Technologies, Tools, Frameworks: Data Structures and Algorithms, UI/UX, React.js, Node.js, Express.js, Android Studio,

Git, Computer Networks, Cryptography, AWS(EC2/S3/RDS).

Internship Experience

The Sparks Foundation, Mumbai	Mobile Application Development	**Aug'21 – present**

- Learning and building an android project using JAVA which covers core fundamental concepts.

TCET, Mumbai	UI/UX Designing	**June'20 – July'20**

- Build and designed various web applications using **Mockplus** software.
- Evaluated on basis of **affinity diagrams**, **low and high-fidelity diagram** and understand **visual element of UI.**

BaseCamp Digital Education	Digital Marketing	**June'19 – July'19**

- **Google Ads Fundamentals**, marketing strategies, principles.
- Learned **team management** and **presentation** skill and our role was to prepare a **SEO** friendly shopping website and host in any platform and check traffic and make a report and understand the terminology of marketing.

Projects

Cash Flow Simplify (view project)	**March'21**

A website as a visualizer for easy cashflow among group of peoples, friends etc. for **cash settlement** without worrying each transaction.

- Creating an iterative model and developing algorithm **using Heap Data Structure** for effective cashflow and *reducing total transactions,* for final cashflow.
- Dynamic generation for new unresolved problems and visualizing those problems and solution using **Vis.Js.**

CryptoKing - Secure Messenger (view project)	**Oct'20 – Dec'20**

*A **cryptography-based Android application** to have secure communication between sender and recipient using **AES, DES, RSA** techniques for encryption and decryption.*

- Encryption & Decryption based **chat app**.
- Private Key generation
- Password generation using MD5.

Art-Gallery (view project)	**May'21-June'21**

*A **MERN stack**-based web applications for sharing campsite for camping lovers with cool functionalities.*

- **Authorization, Authentication** functionality and **Interactive UI** was considered.
- Authorized users can perform **CRUD** operations and review own as wells as other campground, and registered users can only review others campsite and cannot edit original campgrounds.

Academic and Extracurricular Achievements

- Published a Poster on Centralized Attendance Monitoring system for RMDD in IC-ICN-2020
- Participated in Android App Controlled Robotics workshop in EWPPC-2019.
- Presented idea on Nasa hackathon -Space Apps challenge Qualifiers.
- **Specialization** in Introduction to scripting in python – coursera.org – Rice University

Positions of Responsibility

The Nazareth Foundation, Mumbai	*Covid-19 volunteer*	**May'21 - Present**

- Contributing in ***CovidWarRoom*** & ***VaxVolunteer*** project of foundation around state.
- Helping citizens who are unaware of technologies or not able to book their slots by own, through telephonic guiding and doing ***vaccination slot booking*** & providing ***essential services*** during this pandemic.

We Can We Will Foundation (Abhinavan Foundation), Mumbai	*EWT committee Member*	**June'19 – July'20**

- **Education team** - Teaching and volunteering underprivileged children from age group 4 to 18.
  Overall community services, fun activities, engaging with kids & overall development.