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: 8.18/10** (*till sem 6*)

Matruchhaya College, Mumbai, India	**2016 - 2018**

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

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

● *SSC (Class X), **73.4%***

Technical Proficiency

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

Database: SQL, MongoDB.

Technologies, Tools, Frameworks: Data Structures and Algorithms, UI/UX, React.js, Node.js, Android Studio, Git, Computer Networks, Cryptography, AWS(EC2/S3/RDS).

Internship Experience

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

● Built an android project using **JAVA** which covers core fundamental concepts.
● Worked on Basic Banking Application and social Media Integration related project.

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 **SEO** friendly **website building** and host in any platform and check traffic and make a report and understand the terminology of marketing.

Projects

Cash Flow Simplify (view project)	**Apr'20 - May'20**

A cash settlement-based web application for reducing cashflows
● Created an iterative model and developed algorithm **using Heap Data Structure** for effective cashflow i.e.by *reducing total transactions, keeping balance before & after cashflow same*.
● Built using **HTML, CSS, JavaScript, PHP** and **Vis.Js** library**.**

CryptoKing - 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 built in **Java** using **base64**.*
● Symmetric & Asymmetric algo.
● Password generation using **MD5 Hashing**.

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

A **MERN stack**-based app. for sharing art-gallery campsite, places anything for camping lovers with added functionalities.
● **Authorization, Authentication** functionality, **CRUD** operations and **Interactive UI** was considered.
● Included different API's and platform like **Cloudinary**, **Mapbox etc.,** added set of **dependencies**
● Deployed on **Heroku**.

Academic and Extracurricular Achievements

● Published a Poster & research paper on Centralized Attendance Monitoring system for RMDD in IC-ICN-2020.
● Participated in Android App Controlled Robotics workshop in EWPPC-2019.
● Participated in idea presentations on Nasa hackathon -Space Apps challenge Qualifiers.
● **Programming in Java** – NPTEL, 2019
● **Specialization** in Introduction to scripting in **python – coursera.**

Positions of Responsibility

The Nazareth Foundation, Mumbai	*Volunteer*	**May'21 – Aug'21**

● Contributing in *CovidWarRoom* & *VaxVolunteer* project of foundation around state.
● Helping citizens, through telephonic guiding and doing *vaccination slot booking* & linking *essential services.*

We Can We Will Foundation (Abhinavan), Mumbai	TCET-*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.