MANJOT SINGH

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EDUCATION

Degree/Certificate	Year	Institute	CGPA/%
B.Tech: Computer Science and Engineering (AI)	2019-2023	Netaji Subhas University of Technology, Delhi	7.89/10
AISSCE (Class XII)	2018	Sukho Khalsa Senior Secondary School, Delhi	85%
AISSE (Class X)	2016	Dayanand Adarsh Vidyalaya, Delhi	9.6/10

EXPERIENCE

- **Software Engineer Intern** | **Filterpixel**   *Feb'22 - July'22*
  - Worked on the AI culling software, that is designed for photographers to help cull their images automatically.
  - Fixed various bugs that were encountered by the users & worked on the Frontend and Backend part of the software.
  - Developed Plugin using LUA and python based backend server for culling in Lightroom Platform.
  - Technology - **Angular, Electron, LUA, Python, Web Development**

- **Subject Matter Expert(Computer Science)** | **Chegg Inc.**   *Apr'21 - Jan'22*
  - Solved **350+ questions** with detailed explanation on various Computer Science concepts that includes **Data Structures, Object Orientation Programming ,Operating Systems, Database Management Systems** etc.
  - Clarified follow-up queries of students via comments and forum discussions.

- **Frontend Development Intern** | **Evren Global Solution Pvt. Ltd.**   *Jan'21 - Feb'21*
  - **Handled FrontEnd part**, worked on their landing page and additionally making it suitable to view from mobile devices.
  - Technology - **ReactJS, Redux**

PROJECTS

- **Blockchain based Identity Management System(using Fingerprints)**
  - A Platform where users can authenticate themselves using their fingerprints.
  - Extracted features from fingerprint like **termination and bifurcation points.**
  - Smart contracts for **registering and authenticating** in solidity with truffle
  - **Web3 py** library and flask based backend used to connect different phases.
  - **Role -** Handled **Blockchain** based smart contracts and its integration with flask server.
  - Tech Stack and Tools - *Python, **Flask**, **web3 py, Solidity**, sqlite, **truffle**, ganache*

- **Vaccinometer (Full Stack Webapp)** | *GitHub Link*
  - Drug & medicines authentication and tracking application through Blockchain technology.
  - Progressive Web App using React Hooks and Firebase along with Flask server and SQLite DB.
  - Implemented track of Medicines/Vaccines using QR Code scanning.
  - **Role -** Handled **Backend** Development using Flask and database by SQL.
  - Tech Stack and tools - ***Flask**, SQlite, **web3 py, ReactJs** , Firebase, Solidity, truffle, ganache*

- **EazyPay (Full Stack Webapp)** | *GitHub Link*
  - Payment Gateway platform based on Blockchain technology.
  - Progressive Web App using ReactJs and Firebase along with Flask server and SQLite DB.
  - **Role -** Handled **Frontend** Development from Scratch with ReactJs and integrated login using Firebase.
  - Tech Stack and tools - ***Flask**, SQlite, **web3 py, ReactJs** , Firebase, Solidity, truffle, ganache*

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, SQL, JAVA, Solidity, HTML/CSS, JavaScript, LUA
- **Web Development:** Flask, NodeJS, ReactJS, ExpressJS, SQL, MongoDB
- **Machine Learning:** Tensorflow, OpenCV, Numpy, Pandas, Matplotlib

PUBLICATIONS

- **Ensemble Image Explainable AI (XAI) Algorithm for Face Morphing Attack Detection (Deep Learning):** Aim to be published by Pattern Recognition Journal.

ACHIEVEMENTS

- **April 2021:** Finished in **Top 10 teams** in MLH Season of 2021, HackVerse 2.0-NITK out of 2800+ participants organized by NIT Surathkal.
- **April 2019:** JEE Mains - Secured all india percentile of 98.62
- Solved **650+** Problems based on Data Structures and Algorithms on Leetcode.