

# Karan Agrawal

SOFTWARE DEVELOPER

Dongargarh, Chhattisgarh, India

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## Summary

I am a self-taught and passionate Software Developer who likes to play with code and build things. I have experience building on various platforms including web, mobile and desktop. I am also familiar with the DevOps culture and have experience in deploying applications on the cloud. I am currently exploring the world of Web3 and Blockchain. I am always looking for new opportunities to learn and grow.

## Education

### National Institute of Technology Rourkela

B.Tech. in Mechanical Engineering

CGPA: 7.90/10

Rourkela, OD, India

Aug 2019 - May 2023

### Hislop Junior College

Intermediate (10+2)

Percentage: 80.31

Nagpur, MH, India

May 2019

### Khalsa Public School

Matriculation

CGPA: 10/10

Dongargarh, CG, India

May 2017

## Work Experience

### PhoeniXRP NFT Marketplace

Full Stack Developer

- Worked on developing and designing database schemas.
- Worked on developing the backend for the NFT Marketplace using ExpressJS.
- Integrated Firebase and Socket.IO for implementing realtime updates, and OAuth2.0 for authentication.
- Integrated Web3 technologies including XRP Ledger, XXUM Wallet, and IPFS decentralised storage.
- Managed DNS records and SSL certificates for custom domain setup
- Skills:** JavaScript, Node.js, ExpressJS, PassportJS, OAuth2.0, Socket.IO, Firebase, XRP Ledger, Xumm Wallet, Infura IPFS.

Lee-on-the-Solent, Hampshire, UK

June 2023 - September 2023

### Accenture

Advanced Application Engineer Intern

- Learnt new skills like Robotic Process Automation using UiPath to automate certain web scraping tasks.
- Got to work on the frontend for the proof-of-concept of a large-scale project.
- Developed modular code in ReactJS to build the frontend.
- Used MapBoxGL and Leaflets for map generation and updation on UI pages.
- Skills:** HTML, CSS, JavaScript, ReactJS, MapboxGL, Leaflet, RPA, UiPath.

Bengaluru, KA, India

June 2022 - July 2022

### Bovenal Technologies Inc.

Software Developer Intern

- Worked on the Requirements Gathering and Analysis phase for building an HRMS system using Agile Methodology/Scrum.
- Designed a high-level architecture and an ER model for the database.
- Developed the backend for the project using Node.js, Express and MySQL.
- Skills:** Requirement Analysis, Database Design, ReactJS, Node.js, ExpressJS, MySQL, Postman, API Documentation

Bowmanville, ON, Canada

Jan 2022 - Mar 2022

### Glasscode Club

Frontend Developer Intern

- Worked on the frontend of the company's website and added new features.
- Developed another web application for the company using HTML, CSS, JavaScript and Bootstrap.
- Learnt how to store data on the frontend using cookies and local storage.
- Got the opportunity to collaborate with other interns and work on a project together.
- Skills:** HTML, CSS, JavaScript, Bootstrap, jQuery, Git, GitHub

New Delhi, India

Apr 2021 - May 2021

## Projects

### MediChain

**Skills:** ReactJS, Truffle, Solidity, Web3.js, Ethereum

April 2023

MediChain is a decentralized application (DApp) that aims to revolutionize the storage and sharing of medical records using blockchain technology. It addresses the challenge of data privacy in healthcare by leveraging the power of blockchain to create a secure and decentralized platform.

## dopeShop

**Skills:** ReactJS, Truffle, Solidity, Web3.js, Ethereum

February 2023

dopeShop is the Web3 alternative of the famous local marketplace OLX. It is basically a very basic eCommerce platform that gives any user to buy and sell products using a Web3 enabled browser and a wallet. There is a plethora of scope for improvement and features to be added.

## Complaint Forum

**Skills:** HTML, CSS, Bootstrap, Python, Flask, SQLite

January 2021

A complaint forum for users to easily reach out to concerned authorities and also for authorities to quickly update to the queries of the citizens. It classifies the complaints into different categories and also provides a dashboard for the authorities to view the complaints and update the status of the complaint.

## AI Mail Classifier

**Skills:** HTML, CSS, Python, Flask, NLTK, XgBoost, SQLite

November 2020

AI Mail Classifier is a web application that classifies the mails into different categories. It uses Natural Language Processing (NLP) to classify the mails. Users can train the model through the web interface by uploading a .zip file containing the .msg files of emails.

## Skills

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**Languages** C, C++, Python, HTML/CSS, JavaScript, TypeScript, Bash, Solidity, SQL

**Tools & Frameworks** React, Next.js, Flask, Node.js, ExpressJS, Electron, MongoDB, MySQL, Truffle, Git SCM, Nginx, Postman

**Platforms** AWS, Appwrite, Google Cloud Platform, Vercel, Heroku, Firebase, IPFS, Ethereum, Polygon

## Achievements

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Feb 2023 **Winner**, Hack-ccelerate, Hackathon by MLH  
Jan 2021 **Runners Up**, HackOverflow, Hackathon at Cepheus, IIT Goa  
Nov 2020 **Finalist**, AI Mail Classifier, Competition at Techfest, IIT Bombay

## Interests

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**Books** I like reading books. Sometimes I take months to finish a book, but I really enjoy reading.

**Cooking** I love cooking and baking brownies.

## Languages

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**English** Professional proficiency

**Hindi** Native proficiency