

# Aayush Virendra Matkar

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in <https://www.linkedin.com/in/aayushmatkar/> 🌐 <https://github.com/Aayushmatkar>

## EDUCATION STATUS

### Masters Of Engineering in Electrical and Computer Engineering

University Of Ottawa

09/2022 – present

Ottawa, Canada

Key Courses

- Data Science Applications
- Software Engineering Project Management

### Bachelor of Engineering in Electronics and telecommunication

Mumbai University

08/2018 – 06/2022

India

## SKILLS AND TECHNICAL EXPERTISE

### Full stack developer

languages - Python , Java , Flutter , Solidity , C

### Project management

Verification, Validation, Testing ,Post Performance Analysis

### Blockchain Developer

Solidity for the Ethereum chain network  
Rust for Solana network

### Network And Security

Google Cloud platform Infrastructure and Development, AWS

### Business Essentials

Business Sales communication, Sales strategies, MS Office Suite

### Android Developer

Flutter , Kotlin

## PROFESSIONAL EXPERIENCE

### Computing Solutions Advisor

Bestbuy Canada

09/2022 – present

Ottawa, Canada

- Served as a liaison between product procurement and sales team.
- Building tailor-made solutions according to the customer's requirements.
- Improvised retail sales planning and store management and planning activities.
- Illustrated leadership skills for sales floor lead.
- Developed a machine learning model to predict day-to-day sales targets and customer traction prediction.

### Quality Assurance Trainee

Medius.ai

08/2021 – 02/2022

Mumbai, India

- Developed test cases and new scenarios with the software team to seek out bugs and issues in end-user applications.
- Performed various testing scenarios and issue identifications for the software development process.
- Automated a Bug severity classification system for easy bifurcation of critical and non-critical issues.

### Software Development Intern

Cerelabs

04/2021 – 06/2021

Mumbai, India

- Developed an OCR text recognition and data sorting application on Python
- Developed and designed a custom framework-based integration service between data preparation(extraction, cleaning, sorting) and deep learning classifier system to generalize the task of data preparation.
- Developed an automation model to transform dirty nested JSON files into friendly JSON files

### Internet Of Things IoT developer

Cloud counselage Pvt Ltd

03/2020 – 08/2020

Mumbai, India

- Established a fully functioning efficient IoT acquisition engine that pulls data from edge devices to the Microsoft Azure platform
- Improvised the pre-existing stream analytics service architecture to derive insights from a continuous flow of sensor data packeted into containers.

- Demonstrated Power BI interface for sophisticated visualization of machine data to support effective decision-making for factory operations.

### Software Development Virtual Intern

05/2020 – 06/2020

*JP Morgan and Chase*

- Collaborated with the SDE teams to perform optimisation and overhaul for the responsive stock price data feed by using the JP Morgan Chase frameworks and tools for seamless customer experience.

## PROJECTS

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### Decentralized Supply Chain Management Smart Contract using Blockchain

08/2021 – 05/2022

*Undergraduate Project*

- Developed a Smart contract application using Solidity an Ethereum-based platform that enables seamless supply chain transactions across multiple third parties
- Implemented a cost-effective architecture to bundle polygon network capabilities with the main Ethereum chain.

### Android Application for Token Based Transaction on Smart Contract

04/2021 – 05/2021

- Built a simple smart contract for a token transaction that can be interacted by an android user interface using the language flutter

### Home Automation with IoT

04/2019 – 05/2019

- Designed a full-fledged home automation system on Arduino that can control all the home appliances remotely via internet communication protocols based on the ESP8266 internet module

### Know your Calories

*Android/iOS Application*

- Developed an Android Application on flutter to detect and calculate the calories present in food
- Deployed an AWS-based machine-learning model to detect the calories present in food
- Designed the User Interface that would help the end user to interact with the cloud-based model, display the retrieved calculations, and save them in custom user profiles.

## PUBLICATIONS

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### Decentralised Supply chain management Smart Contract using blockchain

05/2022

*Aayush Matkar*

Decentralized Supply Chain Management Smart Contract Using Block-Chain (April 8, 2022). Available at SSRN: <https://ssrn.com/abstract=4111853> or <http://dx.doi.org/10.2139/ssrn.4111853>

## VOLUNTEER EXPERIENCE

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### Professional Development Club at uOttawa

10/2022 – present

*Student success team - engaging with students to guide them with suitable and successful career prospects tailored to their skills.*

### National Service Scheme

Thane, India

*Media Head and volunteer*