

# Prabhu Satyam

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## EXPERIENCE

**AMAZON** | SOFTWARE DEVELOPER INTERN  
BANGALORE | JAN 2023 – JUNE 2023

- Led migration of key service from IMS to AEI-XREF, leveraging **REST APIs in Spring frameworks** for efficient retrieval of ASIN data.
- Successfully developed Accessor and Manager components, enabling **parallel calls** using a custom executor service in **Java**.
- Implemented categorization logic resulting in a 17% increase in product classification based on ASIN data, including "New to Amazon," "Sold by Other Vendors," and "Already Sold by Multiple Vendors".
- Executed comprehensive unit and integration tests achieving a 98% test coverage using **JUnit 5** and **Mockito frameworks**, ensuring quality and functionality of the Accessor, Manager, and categorization logic.

## PROJECTS

**REAL TIME GESTURE DETECTION USING CNN** | NLP PROJECT |

[GITHUB](#)

- Makes detection of gesture using OpenCV and the Holistic model from Mediapipe.
- Capture Landmarks and Export to CSV(for making the dataset).
- Train Custom Model Using an ML algorithm from Scikit Learn.
- Exposure - ML | Mediapipe | OpenCV | SciKit | Python(Pandas,Numpy)

**CRYPTOCURRENCY PRICE TRACKER** | REACT | FIREBASE | [HOSTED](#),

[GITHUB](#)

- Displays and tracks the prices of all trending cryptocurrency in use sorted in order of their market cap in both USD/INR.
- Used context API to manage the state of the app. While Firebase is used for back-end and Email Auth.
- Exposure - React JS | Material JS | Chart JS | Firebase

**CHAT APP** | COMPUTER NETWORKS | [GITHUB](#)

- Chat Application that enables multiple clients to unicast, multicast and broadcast messages amongst each other through common server.
- Exposure - TCP Socket Programming | Threading

**COMPLAIN MANAGEMENT SYSTEM** | DBMS PROJECT | [GITHUB](#)

- Enables students and faculty to lodge complains.
- Enables admin to download complain PDFs in consistent format and resolve complains.
- Exposure - Flask | MySql/Postgresql database | Heroku

## ACHIEVEMENTS

### COMPETITIVE CODING

- - Global rank-**2059** in Kick Start Round G 2020
- - Global rank-**2447** in Kick Start Round D 2022
- - Three Star (1619 rating) on CodeChef.
- - Pupil (1379 rating) on Codeforces.
- - Ranked 755 in CodeChef in April Challenge 2020.

## EDUCATION

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR**  
B.TECH IN COMPUTER SCIENCE AND ENGINEERING  
Expected 2023 | Nagpur, India  
CGPA: 7.84 / 10

## SKILLS

### PROGRAMMING

• C • C++ • Python • Java  
Data Structures • OOP

### DEVELOPMENT

• HTML • CSS • JavaScript  
• Bootstrap • jQuery • React  
• MERN • Node.js • Express.js  
• SQL • MongoDB • Mongoose  
• Spring Boot • JUnit 5 • Mockito  
• Dart/Flutter • Tailwind • Next.js

## PROFILES

Linkedin: [Prabhu-Satyam](#)  
LeetCode: [Prabhu4](#)  
CodeForces: [Prabhu4](#)  
Google: [Prabhu4](#)  
CodeChef: [prabhu4](#)  
Github: [prabhu4444](#)

## COURSEWORK

### UNDERGRADUATE

• Data Structures & Algorithms  
• Design & Analysis of Algorithms  
• Object Oriented Programming  
• Operating Systems  
• Computer Networks  
• Natural Language Processing  
• Database Management System  
• Computer System and Organization  
• Software Engineering  
• Application Programming  
• Mathematics I, II, III

## SOCIETIES

### MEMBER

ROBOTICS CLUB - IOTICS  
• Made a Line follower robot.  
• Competed in IIT Bombay and IIT Kharagpur