

# Amey Pandit

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## EXPERIENCE

### EYANTRA, INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY |

JR. PROJECT TECHNICAL ASSISTANT (JPTA)

(FLUTTER, FIREBASE, GOOGLE MAPS API)

July 2023 - Present | Mumbai

- Demonstrated proficiency in Android app development under **Dr.Rathin Biswas** from **IIT Delhi** for geolocation services, Google Maps API, and Firebase integration, delivering a user-friendly and efficient mobile application for water resource management.
- Designed a Water Information System app allowing users to collect, map water resources via geolocation and Google Maps, while ensuring security through Firebase Authentication and Cloud Firestore data storage.

### EYANTRA, INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY | EYSIP SUMMER INTERN

(DJANGO, REST, FLUTTER, OPENCV, TENSORFLOW, UNET, SQLITE)

May 2023 - July 2023 | Mumbai

- Enhanced Process of Dataset Collection by Developing Pest Aggregator Application that involved Image Background Removal, Pest Detection, Pest Classification using ResNetV2.
- Executed Background Removal flawlessly by leveraging U-Net architecture to generate masks and employing GrabCut algorithm using OpenCV.
- Achieved remarkable **95% accuracy** utilizing UNet architecture and seamlessly integrated TFlite model into an Android App.

### ASTHETECH | SOFTWARE DEVELOPMENT INTERN

(DART, FLUTTER, FIREBASE, RIVERPOD)

Jan 2023 - Mar 2023 | Mumbai

- Optimized code for improved app performance, **reducing loading** times by **40%** and enhancing responsiveness.
- Spearheaded the integration of **Geo Location** functionality into the applications, enabling location-based services and leveraging Firebase for Authentication and Realtime Firestore Storage.
- Employed Riverpod for efficient state management, conducted comprehensive testing, and seamlessly integrated animations using Lottie.

### TECHQ KONNECT TECHNOLOGIES | ANDROID DEVELOPER INTERN

(ANDROID, NODEJS, MYSQL, FIREBASE)

Oct 2021 - Nov 2021 | Mumbai

- Executed the implementation of data storage modules and the deployment of a serverless backend using Lambda Functions, resulting in a **30%** improvement in app performance and scalability.
- Engineered a dynamic Chat Bot that efficiently resolved client issues, contributing to a **20% reduction** in customer support response time.

## PROJECTS

### STOCKIFY (*Check it here*)

(NEXT.JS, CHAKRA UI, REACT ICONS, FLASK, FACEBOOK'S PROPHET, DOCKER)

Stockify helps users make informed decisions by predicting stock prices using historical data and Facebook's Prophet forecasting model. It provides valuable insights into a stock's potential future performance.

### FARMER BUDDY (*Check it here*)

(FLUTTER, NODE JS, MONGO DB, TENSORFLOW, FASTAPI, DEEP LEARNING)

App aims to provide a user-friendly platform for buying and selling products, seeking donations, chatting with farmers and NGOs, yield predictions, crop recommendation and accessing videos on farming techniques along with **94% accuracy** using **ResNet152V2** for crop disease detection.

### IT CONNECT APP (*Check it here*)

(ANDROID, NODE JS, MONGO DB, FIREBASE)

This is an android app made for our college students of IT branch to Share Notices, Book Pdfs, Ebooks, Timetable and Other Academic Alerts. Made Using Java, Firebase and Node Backend.

## OTHER EXPERIENCES

- **EYRC, IIT BOMBAY 2023 (PARTICIPANT)** - Worked on Pharma Bot and **cleared Stage 2**.
- **SMART INDIA HACKATHON 2022 (PARTICIPANT)** - Worked on Depression Detection using MRI Scans and Solution Got Selected Under **Waitlisted** Category.
- **IEEE ACE Chapter (Technical Volunteer)** - Worked on Auto-Driving Car. Implemented **AR Switch** For Car using **Blink API** and other functionalities.

## EDUCATION

### ATHARVA COLLEGE OF ENGINEERING

- MUMBAI UNIVERSITY

BACHELOR OF ENGINEERING IN

INFORMATION TECHNOLOGY

CGPA : 9.65/10 | 2020-2024

### SATHAYE COLLEGE, MUMBAI

HSC (PCMB)

PERCENTAGE : 71% | 2020

### ST. XAVIER'S HIGH

SCHOOL, MUMBAI

SSC

PERCENTAGE : 88.60% | 2018

## LINKS

Website: [amey.me](https://amey.me)

Github: [panditamey](https://github.com/panditamey)

LinkedIn: [ameypandit](https://www.linkedin.com/in/ameypandit)

## COURSEWORK

Data Structures and Algorithms

Database Management Systems

Computer Network

Computer Organisation and Architecture

Object Oriented Programming

Computer Networks

Image Processing

Operating System

Machine Learning

## SKILLS

### LANGUAGES

Dart, Python, Solidity, C, C++ , Java, JavaScript, TypeScript

### ML & AI

TensorFlow, Pandas, NumPy, Scikit-learn, Matplotlib

### APP & WEB

HTML, CSS, ASP.NET, Salesforce, LWC, Flutter, AJAX, SQL, MongoDB, MERN, Next, REST, Django, Flask

### OTHER

AWS, GCP, Docker, Heroku, Android Studio, Blockchain, Unix, Bash, IOT, Agile, Scrum, GIT, CI/CD, Jira

## COMMUNITY EXPERIENCE

**Google DSC ACE Lead 2022-23** - Organized

Hackathon and many workshops on Android, Web Development, GCP, ML, etc.

**Google DSC VJTI Team Member 2021-22** -

Participated in Android Study Jam, Flutter Festival, 30 Days Of GCP, etc.

## PUBLICATIONS

**Diabetic Retinopathy Detection using Android**

**Application.** 2022 IEEE Bombay Section Signature Conference(IBSSC), 2022.