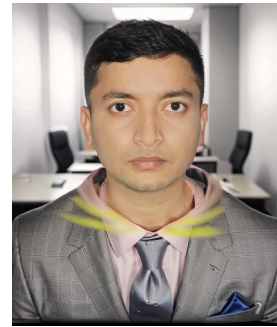


AJAY KUMAR THAKUR
FULL STACK (PYTHON, NEXT JS) DEVELOPER
MACHINE LEARNING / EMBEDDED SYSTEMS



CONTACT

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GitHub: <https://github.com/ajay2051>
Linkedin: <https://linkedin.com/in/ajay2051/>

EDUCATION

Visvesvaraya Technological University, Bangalore, Karnataka, India
College: RR Institute of Technology, Bangalore
Year: 2015–2019

ABOUT ME

A driven individual with in-depth knowledge of languages and development tools, looking for a position at a firm focused on growth where I can use my abilities to the company's advantage while also having the opportunity to further my own skills. Looking for a challenging, growth-oriented role at a forward-thinking, innovative company where my professional abilities and unwavering commitment to success will allow me to enhance the development of both the company and myself.

TECHNICAL SKILLS

Python, Django, FastAPI, HTML/CSS, Bootstrap, UNIX/LINUX OS, Django Rest Framework, JavaScript, NextJS, PostgreSQL, Numpy, Pandas, Malplotlib, TensorFlow, Sklearn, Raspberry Pi, Data Structure and Algorithms, Docker, Kubernetes, AWS, Version Control

EXPERIENCE

TECHABOUND PVT LTD
FULL STACK ENGINEER
JAN 2025 – PRESENT

As a Co-founder and Full Stack Developer at Techabound Pvt Ltd,

- I spearhead both technical strategy and hands-on development, leading the architectural vision while implementing scalable solutions across the entire tech stack.
- With expertise spanning frontend, backend, and database technologies, I've successfully built and deployed our core platform, driving significant improvements in performance and user adoption.
- Through strategic technical leadership and direct contribution to the codebase, I've helped establish efficient development processes and maintain high coding standards while managing technical infrastructure budgets and mentoring junior team members.

NAVYADVISORS PVT LTD
SOFTWARE ENGINEER
JAN 2023 – DEC 2024 (24 MONTHS)

- Designed and implemented Python code using Django, DRF and FastAPI.
- Managed the security of the applications.
- Maintained detailed documentation around the code.

KODIARY TECHNOLOGIES
JUNIOR PYTHON DEVELOPER FEB 2022 – OCT 2022 (8 MONTHS)

- Worked with Python libraries like Pandas, NumPy, etc.
- Involved in Projects like Appointment Booking System, EK EK Paila in Django and Notes App, Nepal Telecom App UI, Yamaha in Flutter.

THAKUR INTERNATIONAL AND INVESTMENT PVT LTD
PYTHON DEVELOPER JAN 2021 – DEC 2021 (1 YEAR)

- Designed and implemented high availability and low latency applications, data protection and security features. Followed with the latest technology and trends.

PROJECTS

Vehicle Rent Platform

This project is online platform where vendors registers their vehicles for rent and sale.

My role in this projects is to create API's, database management, deployment and create User Interface.

Features:

- Easy registration process for vendors.
- Covinent booking process for users.
- Online payment system for users while booking.
- Live gps tracking of vehicles for vendors for safety of their vehicles.

Technologies Used:

- Langugae: Python, JavaScript, C++
- Backend: FastAPI
- Frontend: Next.js
- Database: PostgreSQL
- Version Control: Github
- Embedded System: ESP32 Module, GPS Module, SIM1200L Module

Accident Detection System

This project is to detect accident of vehicles and to inform nearby police station and hospital.

My role in this projects is to create API's, database management, deployment and create User Interface and create embedded system for accident detection.

Features:

- Detects accident if happens.
- Inform nearby hospital about accident.
- Notify to nearest police station.
- Live gps tracking of hospital ambulance and traffic police vehicles.

Technologies Used:

- Language: Python, JavaScript
- Backend: FastAPI, Machine Learning Model
- Frontend: React.js
- Database: PostgreSQL
- Version Control: Github
- Embedded System: Raspberry Pi, GPS Module, SIM1200L Module, Impact Sensor, Gyroscope, Pi Camera

Nepmeds

This project is online store for medical equipments.

My Role was in this project is to create backend API's and database handling.

Features:

This project has two phases.

- Can order any kind of medical equipments, medicines, personal care products, fitness and supplements, surgical devices and many more.
- Payment methods are Cash on Delivery, Esewa and Khalti which is very easy method for customers to pay. Addition to this users can have also information about blood bank, ambulance, hospital details and many more.

Technologies Used:

- Language: Python, JavaScript
- Backend: Django, Django Rest Framework
- Frontend: ReactJS
- Database: PostgreSQL

- Version Control: Gitlab
- PM: Jira

URL:

1 st Phase: <https://www.nepmeds.com.np/>

Start Date: July 2022

End Date: September 2023

2 nd Phase: <http://38.242.204.217:8005/api/docs/>

Start Date: October 2023

End Date: Still in Development Phase

Kodiary Academy

This project is basically for students to register themselves and enroll for online classes.

My Role was in backend to create API's with Django Rest Framework.

Features:

- Easy Registration Process to enroll in class
- Direct Communication with trainers if there is any queries

Technologies Used:

- Language: Python
- Backend: Django, Django Rest Framework
- Database: PostgreSQL
- Version Control: Gitlab

URL: <https://academy.kodiary.com/>

Start Date: Jan 2022

End Date: March 2022

IOT BASED WAR ASSISTANCE ROBOT

This was my college final year project.

The main features of this project is to detect any metals, smoke in war zone captures the image of war zone and send the image in email to controllers.

Tools Used:

- Raspberry Pi
- Metal Detector
- Smoke Sensor
- Pi Camera
- Language: Python

Start Date: Feb 2019

End Date: April 2019