

ANKIT RAJ

Software Developer & Open-source Contributor

✉ ankitrajmahapatra@gmail.com
📧 ankit-raj-mahapatra

☎ +91-7827906112
🔗 Ankit404ButFound

📍 New Delhi, INDIA

🌐 ankit404butfound.github.io

EDUCATION

B.Tech in Computer Science and Engineering

Dr. A.P.J. Abdul Kalam Technical University

📅 Sept 2020 – Sept 2024

📍 Gaziabad, INDIA

Summer Schools on Digital Platform

Aalto University

📅 14 Aug 2023 – 26 Aug 2023

📍 Helsinki, FINLAND

EXPERIENCE

Software Development Engineer 3

Aveti Learning Pvt. Ltd.

📅 July 2024 – Ongoing

📍 Bhubaneswar, INDIA

- **Dignifi:** Built secure backend to connect ex-prisoners with housing, education, and employment resources.
- **Info-Search:** Written the back-end in FastAPI with PostgreSQL as database, and with the help of vector embedding, made 1L+ contents searchable.

Software Development Intern

Aveti Learning Pvt. Ltd.

📅 Jan 2021 – June 2024

📍 Bhubaneswar, INDIA

- **Smart Class App:** Desktop app designed in PyQt that delivers the content to Smart boards in schools, served to 1400 schools in Odisha.
- **PPT-Translation:** Developed the back-end in Flask with MySQL as database, served to 1200+ teachers in India for reviewing contents created by the Content developers.
- **Document Assets Management:** Created the back-end in Flask with PostgreSQL as database, helped in making 1.4L+ images and After-effect files searchable using pg-vector and vector embedding.
- **E-Library:** Designed and Benchmarked with 10k users, an offline content delivery software served to 600 students in villages that runs on Raspberry Pi.

PROJECTS

- **PyWhatKit:** Created one of the most popular Python libraries with more than 2 million downloads, used to schedule WhatsApp messages and several other things (GitHub).
- **Deep-Live-Cam:** Contributed to one of the most popular deepfake tools with 50k stars on GitHub, fixed one of the bugs that was causing build to fail on Mac Intel chips. (GitHub).
- **HomeworkMachine:** A tool to convert computer-generated text to hand-written characters using Image-processing, for the automation of homework assignments, used by over 10k users. (GitHub).
- **KeyLogger:** A key-logging virus written in Python for monitoring and recording keyboard inputs, for security and testing purposes. (GitHub).
- **PhotoCluster:** Using scikit-learn for KMeans clustering and qdrant database for vector similarity search, made my Phone's gallery clustered and searchable using just text.(GitHub).
- **Clipry:** A Windows-like clipboard management tool for Linux written in Electron-JS. (GitHub).

SKILLS

Languages & Tools

Python NodeJS Go Arduino
RaspberryPi Electron QT HTML
CSS JS Docker Linux AWS
Heroku Git GitHub

Backend & Databases

Django Flask Express FastAPI
ORM Nginx MySQL PostgreSQL
MongoDB Qdrant Redis

Data Formats & Methods

Embedding Vector Search JSON
XML YAML

CERTIFICATES

- AI Agents Fundamentals by Hugging-Face ([view certificate](#))
- Get started with Redis by Redis University ([view certificate](#))
- LEARNING PATH | Redis AI & Vector Technical by Redis University ([view certificate](#))
- Redis streams by Redis University ([view certificate](#))

ACHIEVEMENTS

- Led group of 5 and **won first prize in Hackathon** at ADGITM IPU. ([view certificate](#))
- Member of a group of 4 and **won first prize in Hackathon** at DTU. ([view certificate](#))
- **Won third prize** in an idea pitching competition organized by the college.
- **A foreign trip to Finland** for summer school was awarded by the current employer as a bonus for my hard work. ([view certificate](#))