

UNNAT AGARWAL

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EDUCATION

Heritage Institute of Technology, Kolkata

Bachelor of Technology in Computer Science Engineering
CGPA: 9.06/10.00

August '19 – June '23
Kolkata, West Bengal, India

EXPERIENCE

ByteLearn

July '22 – Present

Backend Intern | *FastAPI, MySQL, Python, Jira*

Remote

- Refactor code to follow best practices
- Build APIs and microservices, improve performance of existing one's by reducing latency and coupling
- Add multithreading and asynchronous api support which improved response time by 80%
- Implemented cursor based pagination which reduced user drop off rate significantly by reducing wait time
- Worked with PyTest to implement unit and integration tests

ComplianceBook Pvt. Ltd.

March '22 – July

Software Engineer Intern | *Django, PostgreSQL, Python*

Remote

- Worked on building new APIs and refining existing ones, using Django Rest Framework
- Simplified Database models and avoided data duplication by 25%
- Implemented new features like fetching documents based on user query, and providing user with a downloadable zip file
- Third-Party API Integrations, like Gupshup for WhatsApp Business API, SendGrid for Email, to build Client Notification Services

TECHNICAL SKILLS

Languages: C++, Python

Developer Tools: GIT, GitHub, Postman, Documentation, Jira, Confluence

Technologies: Django, FastAPI, REST API, MVC Framework

Coursework: Data Structures and Algorithms, Object-Oriented Programming, RDBMS, MySQL

PROJECTS

YouTube REST API | *Django, SQLite* | Web Dev | [Github Link](#)

December 2021

- Designed API to fetch YouTube's most recently published videos, asynchronously for predetermined high frequency query
- Dashboard to view synced database in a paginated response
- Multiple API Key support to avoid quota exhaustion
- Search feature that displays top results for some user input

Ecommerce Website | *Django, Bootstrap, SQLite* | Web Dev | [Github Link](#)

June 2021 – Present

- Ecommerce Website with user authentication
- Guest User Management via cookies
- Integrated Payment support with basic CheckSum functionalities

Attendance Automation | *Pytesseract, Python* | Computer Vision | [GitHub Link](#)

June 2021

- Devised a solution regarding issues with the manual process of attendance taking by teachers, checking each attendee manually
- Extract student names and roll numbers from screenshots of online meetings, using OCR
- Clean and organise data obtained
- Mark students in Excel sheet using python

ACADEMIC ACHIEVEMENTS & EXTRA-CURRICULAR

- Ranked 76th globally in Xiaomi Ode2Code Hackathon
- Ranked 3rd globally in Short and Sweet-Hackerearth ML Challenge (NLP)
- Ranked 2827th globally in Facebook HackerCup Round 2
- Ranked 2705th globally in Google Kickstart Round B
- 1st in Brainstorm, Coding Contest organized by ACM Student Chapter
- Ranking in top 2000 among 90k participants, Juspay Challenge
- Ranked 251st globally in TCS CodeVita Season 10, 2022
- Ranked 304th globally in AccioWars Coding Contest, 2022