Anuran Roy

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Skills

Backend Development	● ● ● ○ ○	Programming	● ● ● ● ○
Django, FastAPI, NodeJS (learning), MongoDB, PostgreSQL		Python, C/C++, Shell Scripting, R, JavaScript	
Data Science and Visualization	● ● ● ○ ○	**Machine/Deep Learning**	● ● ● ○ ○
Pandas, Numpy, Plotly, Seaborn, Scipy, R, Ggplot,		scikit-learn, PyTorch, Keras	
Business Analytics/BI	● ● ○ ○ ○	**Content Writing**	● ● ● ● ○
PowerBI		SEO-friendly content	
Other Skills	● ● ● ● ○		
Communication, Deadlines, Problem solving			

Courses

08/2021 – present Vellore, India	**Advanced C,** *Vellore Institute of Technology*
08/2021 – present Vellore, India	**Natural Language Processing,** *Vellore Institute of Technology*
08/2021 – present Vellore, India	**Data Visualization,** *Vellore Institute of Technology*
08/2021 – present Vellore, India	**Data Structures and Algorithms,** *Vellore Institute of Technology*
02/2021 – 08/2021 Vellore, India	**Object Oriented Programming with Python and C++,** *Vellore Institute of Technology*

Projects

07/2021 – present

OpnEco, *Content writing suite for writers* ⧉
Made for content writers throughout the content writing process - from topic and keyword research to intent evaluation. **Features:**
- OpnKeywords: Get content-based keyword suggestions.
- OpnEmo: Get the emotion conveyed by content.
- OpnInsights: Get Google Trends data regarding the next keyword(s) to target.
- OpnTranscribe (under development, optional extension): Convert audio to text, to add to content.
- OpnInfo (planned): A playground combining all other features into a single, unified dashboard.
- Persistence (planned): To save one session's data for use in future.
- Report Generation (planned): To generate automated reports for results generated by the various features.

Tech Stack: Django, NLTK, Plotly Express, Text2Emotion, PyTrends, vosk-api, Pandas, speech_recognition, SQL, HTML/CSS/JS

10/2021 – 10/2021

Im2SQL, *Image to SQL Converter* ⧉
A webapp that converts Table Images to SQL INSERT commands.

Tech Stack: FastAPI (for API Backend), OpenCV + Tesseract (for OCR), Django (for rendering the makeshift frontend), HTML/CSS (for frontend)   *Also available as a* CLI-only offline version ⧉ .   *Source code at:* Source code ⧉

09/2021 – 09/2021

Campus Saathi, *Student-management interaction forum* ⧉
- An open forum where issues posted by students can be publicly tracked. All students can vote on posted issues to make sure relevant issues are highlighted.
- Once posted, an issue is auto-assigned to appropriate staff members ensuring that concerned parties always know whom to approach if the resolution is stagnated.
- After resolution students again get to vote on how satisfactorily the issue was handled.
- A reputation system is also baked into the platform for both students(based on the popularity of issues) and staff(based on how well they handled the issue).
- This encourages students to not abuse the platform and fosters an environment of accountability and answerability for the staff.
- Digitisation of records and the open accessibility and tracking of issues and performance seeks to build transparency in administration.

Tech Stack: Django, HTML/CSS, JavaScript   *Source code at:* Campus Saathi ⧉

Education

2020 – 2024 Vellore, India	**Vellore Institute of Technology, Vellore,** *B.Tech, CSE with specialization in IoT*

Organisations

08/2021 – present Vellore, India	**Tezos Developers' Community (TDC) Vellore,** *Core Committee Member*
01/2021 – present Vellore, India	**IEEE Computer Society, VIT,** *Core Committee Member*