

Anuran Roy

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🧠 SKILLS

Backend Development

Django, FastAPI, NodeJS (learning), Golang (learning), MongoDB, SQLite, PostgreSQL

Content Writing

Technical Writing, SEO-friendly content

Programming

Python, C/C++, Java (learning), Shell Scripting, R, JavaScript, Golang(learning), Julia (learning).

Business Analytics/BI

PowerBI

Data Science and Visualization

Jupyter, Pandas, Numpy, Matplotlib, Plotly, Seaborn, Scipy, R, Ggplot, Dash (learning), Spark (learning)

Frontend Development

ReactJS(learning), Bootstrap, Tailwind

Machine/Deep Learning

scikit-learn, PyTorch, Keras

Cloud Services

Heroku, Glitch, Replit, AWS (learning), GCP (learning)

📁 PROJECTS

Pymetrix (previously Analyx), An Open Source Plug-n-Play Analytics Python Library [🔗](#) 11/2021

- **Motivation:** Pymetrix aims to provide function-level analytics and UX Metrics by providing wrappers to represent objects as nodes in a graph, extensible with plugins, with **10+ tests** for different internal APIs using Pytest.

Tech Stack: NetworkX, Matplotlib, SQLite/PostgreSQL, Tortoise-ORM, Plotly, Pytest. Source Code [🔗](#)

Im2SQL, Image to SQL Converter [🔗](#) 10/2021

- **Motivation:** A web app to reduce the cumbersome task of writing data entry statements manually, Im2SQL converts Table Images to SQL INSERT commands that are returned in a textbox within max 8 seconds.

Tech Stack: Heroku, FastAPI, OpenCV + Tesseract, Django, HTML/CSS. Also available as CLI offline version [🔗](#). Source code at: Source code [🔗](#)

Campus Saathi, Student-management interaction forum [🔗](#) 09/2021

- **Motivation:** Campus Saathi is an open forum where issues posted by students can be publicly tracked, with **10+ features** - to address lack of accountability and transparency in campus administration.

Tech Stack: Replit, Django, HTML/CSS, JavaScript. Source code at: Campus Saathi [🔗](#)

Alucard.ai, CLI Desktop Assistant [🔗](#) 08/2021

- **Motivation:** Powered by two types of extensions (called Engines and Packs), Alucard intended to run cross-platform programs for various small tasks by harnessing the power of different platforms and serving as a cross-platform bridge on top of base Python.

Tech Stack: Wolfram Python SDK, Python

OpnEco, Content writing suite for writers (Trending on Product Hunt on Jul 28 2021) [🔗](#) 07/2021

- **Motivation:** Content writers often have to spend a lot of time working on content metadata. OpnEco has currently 3 features- content-based keyword suggestions, content emotion check, and target keywords' Google Trends data.

Tech Stack: Django, NLTK, Plotly Express, Text2Emotion, PyTrends, Pandas, SQLite, HTML/CSS/JS

🏆 ACHIEVEMENTS

- OpnEco ranked on ProductHunt trending #28

- Vosk Blog ranked on at #1 on Google Page 1

📁 EXPERIENCE

GDC Fellow 2022, Global Digital Corps (with Pupilfirst) [🔗](#) 01/2022 – present

- Selected as one of the 40 candidates out of 48000+ applicants for being trained in Software Engineering.

AWS Machine Learning Scholarship Program, Udacity 06/2021 – 10/2021

- Completed the 3 courses allotted- Deep Learning with PyTorch, Software Design and Development, and Machine Learning on AWS.

GRIP Intern (Data Science and Business Analytics), The Sparks Foundation [🔗](#) 07/2021 – 09/2021

- Completed the 3 tasks allotted - data wrangling (Pandas), data visualization (seaborn), regression modelling (sklearn), dashboarding (Dash).

Content Development Volunteer, Pycon India 2021 04/2021 – 09/2021

- Reviewed 5+ articles for the PyCon India 2021 Blog., and contributed directly to an article that underwent stringent quality testing.

🎓 EDUCATION

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

📁 COURSES

Data Structures and Algorithms, Vellore Institute of Technology 01/2022 – present

Natural Language Processing, Vellore Institute of Technology 08/2021 – 01/2022

- Developed an NLP Project in Python to recognize voice commands to edit spreadsheets data. Source Code [🔗](#)
- Project Marks received: 95/100

Data Visualization, Vellore Institute of Technology 08/2021 – 01/2022

- Analyzed the Global Terrorism Index for extracting insights.
- Project Marks received: 82/100

Object Oriented Programming with C++, Vellore Institute of Technology

- Implemented a crude, barebones blockchain in C++. Source code [↗](#)
- Grade: 'A', Score: 83/100

02/2021 – 08/2021

Problem Solving and Programming with Python, Vellore Institute of Technology

- Grade: 'S', Score: 93/100

11/2020 – 02/2021

ORGANISATIONS

FOSS United, Outer Circle Member

12/2021 – present

naas.ai, Open Source Contributor

12/2021 – present

DataKind Bengaluru, Volunteer

11/2021 – present

FreeCodeCamp, Technical Writer

09/2021 – present

Tezos Developers' Community (TDC) Vellore, Club Lead

08/2021 – present

Centre for Social Entrepreneurship and Development (CSED), VIT, Editorial Head [↗](#)

01/2021 – present

- Authored content, SEO and SEM strategies for better audience reach in tandem with marketing and tech departments, reaching **1000+ (average)** to **36000+ audience (highest)** and boosting reach by **more than 30%**.

IEEE Computer Society, VIT, Senior Core Committee Member

01/2021 – present

- Contributed 20+ questions to the Question Bank for Core Committee Selections, created the authentication backend of Selection Exam Portal 2022, with 5+ tests.

The Hindu Education Plus Club, VIT, Core Committee Member, Design

12/2020 – 11/2021

- Designed posters for blog posts and events using Figma and Canva

CERTIFICATES

Python (Basic) [↗](#)

HackerRank

Python Proficiency Test [↗](#)

Pluralsight

MongoDB Basics [↗](#)

MongoDB University

Data Visualization [↗](#)

Kaggle

Data Science with R Programming [↗](#)

Simplilearn

Introduction to Machine Learning [↗](#)

Kaggle

Hypothesis Testing [↗](#)

UpGrad

Cybersecurity Essentials [↗](#)

Cisco NetAcademy

The Strategy of Content Marketing [↗](#)

Copyblogger (in association with UC Davis)

Participation Certificate (Finalist) [↗](#)

Team Hack-n-Pitch, Jadavpur University

PUBLICATIONS

The Net Disconnect: A Statistical Study on Internet Shutdowns in India,

07/2021

Centre for National Policy Research [↗](#)

- Studied the scenario of internet shutdowns in India.
- Statistically visualized the impact of shutdowns on the GDP of India.
- Proposed a rough framework of solutions for tackling internet shutdowns.