**Project Name:**

**Health Safety & Environmental (HSE) Incident Analysis**

**Project Idea:**

Develop a web API for HSE related incident data accumulate in a secured database, perform data analysis, and take appropriate QC actions to improve HSE performance index.

**Application:**

The HSE personnel can use this API tool to gather and mapping HSE Incidents and can run various quantitative and statistical analyses for all accumulated HSE incidents data reported each year from remote project location.

**API Design Technologies:**

* Python-FLASK, Pandas, NumPy
* SQLite3, SQLAlchemy
* Folium Mapping
* HTML/CSS, flask\_bootstrap
* Chart.js

**Team:**

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| --- | --- | --- |
| **Name** | **E-mail** | **Profile** |
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**Personal Interest:**

* Data Analysis, Machine Learning (ML), Fuzzy/Neural Modeling
* Database (SQL, Oracle) Design and Building Custom Queries