

DS

# Dev Pratap Singh

Turning data into insights, and ideas into impact.

## Address

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## Awards

Idea Accelerator Project  
Manager Award  
[Top 7 teams, GenAI  
Hackathon @ Turtlemint](#)  
Krishna House Captain  
ITC Scholar  
ANTHE Scholar

## Experience

### Nov 2023 - present

AON | Senior Software Engineer | Bangalore, Karnataka

- **Reputational Risk (ER):** Assessed reputational threats from public data sources like Wikipedia, news, etc to maps signals across risk taxonomies to highlight potential risks events and their impact on stock performance.
- **Policy Checker:** Architected a solution to empower AON Brokers to compare 2 versions of a policy documents using Custom Data Extraction Pipelines using **PyMuPDF** and fine-tuned **LLM**'s.
- **AON GPT:** Built & hosted an internal chat interface based on **LibreChat** with security features including removal of Personal Identifiable Information using **spaCy**'s pre-trained **NER** pipeline & **Okta** authentication.
- **Pay Transparency:** Built a **ReAct** agent using an LLM and Langchain to accept a job role and create a job description based on qualification and responsibilities sourced out from the internal AON Job Posting Database.
- Dockerized & hosted an **IDP (Backstage)** with custom plugins for one-click Azure deployments, reducing deploy time from 3 days to seconds.
- Built 10+ **Terraform Modules** (VMs, Networking, Function Apps) and integrated Terraform **Test** Framework to automate cloud infrastructure.

### Sept 2022 – Nov 2023

Turtlemint | Software Engineer @ Data Engineering | Panjim, Goa

- Built a data pipeline to ingest CSV data into AWS Athena and a PostgreSQL Data Warehouse to create interactive dashboards using Apache **Superset**.
- Built the Credit Card Insights Page using **MVT** architecture in **Django** based on the data collected from a new Credit Card Initiative.
- Built a community-based Insurance deployed on the **Polygon** blockchain, based on **MERN** with **MongoDB** & smart contracts using **Solidity**.
- Used **ARIMA** & **Prophet** model to do forecasting on Insurance Data including Premium, etc using **Jupyter** notebook.

## Education

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|--------------------------------------|--|
| Indian Institute of Technology   Goa | 2018 - 2022   Mechanical Engineering 6.43        |
| Rainbow School   Saharanpur, UP      | 2016-2017   Class 12 <sup>th</sup> , CBSE 89.4 % |
| Rainbow School   Saharanpur, UP      | 2014-2015   Class 10 <sup>th</sup> , CBSE 10/10  |

## Skills

- Technical Skills: C++, Python, Go, Typescript, Solidity, Terraform, Ansible, Jenkins, Kafka, nginx, Kubernetes, Grafana, PowerBI, Superset.
- Web-Dev: ReactJS, NodeJS, Django, PostgreSQL, MongoDB, Clickhouse.
- Cloud Skills: Databricks, Synapse, Swagger, OpenAPI, CosmosDB.
- ML Skills: CoreML, Langchain, Chroma DB, OpenAI, Stable Diffusion.
- Soft Skills: Creativity, Problem-Solving, Leadership, Collaboration, Empathy.