Akash Chauhan

Data Scientist

Jaipur, Rajasthan

☎ (+91) 8233186472 | ✉ chauhanakash2303@gmail.com | 🖧 chauhanakash23.github.io | ⌂ chauhanakash23 | in 2303akash-chauhan

Work Experience

Pocket FM   Remote
Data Scientist   Aug. 2022 - Present

- **Pricing** - Worked with stakeholders to develop multiple product strategies(discounting, custom pack, binge pass) backed by ML models trained from scratch, deployed and taken till A/B tests to improve conversion by 50% in one and reducing 30% spender churn in another use case.
- **Recommendations** - Developed logic and models to recommend next best genre to the user, amongst the entire DS controlled feed on the app. Resulted in significant improvements in engagement and revenue metrics.

Demandbase   Remote
Data Scientist   Apr. 2021 - Aug. 2022

- **DemandBase Data Labs** - Discovered and created a plethora of data products like Renewals, Fleet estimation etc.
- Developed and improved the offerings like Premium Intent, Next Tech Purchase and Trending skills to help our customers find their target customers. Generated revenue of over **300k USD** in multiple deals for such products for a year.

Data Scientist   Chennai
Straive (Formerly SPi Global)   Jun. 2019 - Apr. 2021

- Developed an extraction engine from scratch to extract Environmental, Social and Governance data from unstructured PDF documents(Annual/CSR reports of companies) using a question answering approach.
- Developed a suite for a legal use case that included summarization and citation recognition using NER techniques.
- Created an deep learning based indexer for medical research articles/papers against concepts(60k+ concepts).
- Set up a summarization platform(after market research compiled models like PEGASUS, ProphetNet, T5 etc) with a REST api and web interface for internal use.
- Combined results of object detection models with rules and patterns(manually created) to extract data from PDFs(Invoice/Debt notices)

Data Scientist Intern   Noida
Tata Consultancy Services   Mar. 2019 - May. 2019

- Created and streamlined an ETL pipeline to consume data from OMOP CDM and extract and store the incidence and prevalence of diseases.
- Planned and developed non-objective based market segmentation models for pharmaceutical market.

Institutional Research Intern   Kharagpur
SWAN Labs, IIT Kharagpur   May 2018 - Jul. 2018

- Developed a novel learning framework for resource constrained IoT devices leveraging the edge of the network, working with two of the finest research scholars of Prof Sudip Misra.

Education

Central University of Rajasthan   Ajmer, Rajasthan
Integrated M.Sc. in Computer Science with specialization in Artificial Intelligence · **5.44/6**   Jul. 2014 - May. 2019

- Gold medalist - batch 2014-2019.
- Recipient of merit scholarship for 4 years.

Blogs & Personal Projects

Generating abstractive summaries using Google Brain's PEGASUS.   Jun. 2020

- Since the feature to generate summary for a single piece of text was missing, this article shows a neat work-around to generate summaries using the available pre-trained model.

Training a custom NER model using Flair   Jun. 2020

- A tutorial on how to create an NER model for custom entities using Flair. Right from data preparation to model evaluation.

Personalized Cancer Detection   Feb. 2019

- Leveraging the NLP techniques, build models to successfully predict the class of cancer, given the 'Gene', 'Variation' and the corresponding text in the literature.

Stack Overflow tag predictor   Jan. 2019

- Given the title and body of the question on stack overflow, predicting the possible tag(s).

Certificates

2018	**Microsoft** AI Challenge India	Online
2018	**GIAN** Machine learning	CURaj
2018	**GIAN** Big data analysis and mining in deep web repositories	CURaj

Skills

- Intelligence Gathering
- Analytical and Critical Thinking
- Problem Solving
- Machine Learning
- Exploratory Data Analysis

- Deep Learning
- Natural Language Processing
- AWS and GCP Cloud
- Pyspark
- Python