

Binay Kumar Pradhan

Data Science Engineer

Bangalore, Karnataka – 560076

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- github.com/VinayIN/
- wezn.github.io/

Education

Aug 2015- May 2019

Bachelor of Technology in IT

International Institute of Information Technology - Bhubaneswar, Odisha

Skills

NLP, Computer Vision, Data Science
TensorFlow, Keras, Pytorch, Scikit-learn
Python, C++, Golang, Unix
MySQL, PostgreSQL, Elasticsearch
Django, Flask, Streamlit
Jenkins
Library packaging, Product Management

Interests

Hackathon
Hiking
Basketball
Learning Language

Profile

Collaborative, dependable, and accomplished Data Science Engineer with experience in developing end-to-end data science product. Skilled in research, data analytics and providing solutions to NLP problems using deep learning techniques. Motivated to learn, apply, and adapt to changes generating maximum throughput

Professional Experience

October 2020 – Current

Prometheus Group - Bangalore, Karnataka

Data Science Engineer

- **4C Package:** Creating data apps for the clients to use the 4C package on their dataset and providing quarterly KT to the team on the changes made to it
- **Parsing tool:** Conceptualized reinforcement learning to implement feedback received from team interacting with the tool and demonstrated a POC on the use case of Transformers and BERT model for standard text generation
- **Database:** Maintenance and manipulation of data to the DB on-demand
- **BOM:** Integrated business rules to the contents of tables extracted from pdf

Jan 2019 – October 2020

Utopia India Pvt Ltd - Bangalore, Karnataka

Data Science Engineer

- **Text mapping tool:** Developed an embedding based mapping tool with 85% filling accuracy and 15x better performing than excel macros and rule-based tool used
- **Parsing tool:** Developed a regex-based parser on top of ML parser along with a consensus algorithm to accurately extract information
- **4C Package:** Identified bottleneck and refactored it to a package, integrated it with UI's and visualization to demonstrate capabilities of the tools to client and created API modules to expose each tool of the package
- Assessed and setup CI/CD tool for the team
- Assisted on the configuration of AWS SPOT instances for multiple projects and load distribution on the development server
- Created scripts to automate data migration, map to company's taxonomy adhering to SAP guidelines and provided induction to interns on the 4C tools

May 2018 – July 2018

IDRBT - Hyderabad, Telangana

Research Intern

- **Dataset:** Prepared the Hindi mixed-script dataset for training
- **Journal:** Assisted a fellow scholar on an NLP problem of part-of-speech recognition for mixed-script social media texts and documenting the [journal](#)

Additional Experience

- **Mozilla Internet Health Hackathon (2019)** - Analytical security report on android apps
- **Smart India Hackathon, organised by GOI (2018)** - Predictive ml model for disasters in India and calculate the expected resources to be used in future
- **Technova Techno-fest, organised at IIIT Bhubaneswar (2018)** - Computer Vision assisted ledger (use-case for university) for vehicles passing through a checkpoint
- **Dell Codefest (2017)** - Real-time predictive ml model of apparel (With extension for AR)