Pankaj Pundir

LinkedIn:// **pankaj-pundir** | pankaj.pundir369@gmail.com | +917248587306

Education

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
B.Tech in Computer Science
2016 - 2020
Srinagar (Garhwal), Uttarakhand
CGPA: 8.7/10

VIVEKANANDA SCHOOL
Intermediate - 91.6%
June 2015| Dehradun,Uttarakhand, India

VIVEKANANDA SCHOOL
Matriculation - 10 CGPA
June 2013| Dehradun,Uttarakhand, India

Projects

CORTEX-BOT | Manage Stocks Wisely
Algo Trading platform to provide valuable trade suggestions using Technical analysis and Machine learning techniques.
CortexBot Live Demo
- Place Trade via a broker
- Backtest your strategy [5yrs data]
- Analysis Tools and visualization
- Trade suggestions in WhatsApp

SWIFT-CONTROLLER |Computer Vision based mouse controller
A color-coded glove to control mouse gestures using computer vision.

POCONET | A pathway to Safety
Designed a system - POthole COnvolution Network to automate the process of detection of potholes for road assessment.
POCOnet Demo

FIG SENSE | Fully automated Graph Reader
Extract data points from chart images and infer data for the visually impaired.

Skills

PROGRAMMING

Java • Spring Boot • MySQL • Python • C++ • React • PyTorch • Pandas • PySpark • Reinforcement Learning • Machine Learning

TOOLS AND TECHNOLOGIES
Kafka • Grafana • Kubernetes • Redis

Experience

GROWW | Credit Team | Software Engineer 2
Feb 2022 - March 2024 | Banglore, India
- Designed and developed real-time loans flow for groww users.
- Integrated major banks **[IDFC]** and NBFCs **[ABFL,GCS]**.
- Designed **User journey** and contributed on **Business rule engine** to determine user **Credit worthiness** and generate **Real Time offers**.

BANK OF NEW YORK MELLON |Software Engineer
July 2020 - Feb 2022 | Pune, India
- Developed understanding on Bank functionalities.
- Used **Pyspark, Jupyter and Pandas** to analyse data and create pipeline for Regulatory Reporting.
- Built intuitive dashboard using **Python, Dash and Plotly**, for visualising and extracting insights form data.

BANK OF NEW YORK MELLON | Software Engineer Intern
Jan - June 2020 | Pune, India
- Applying Software engineering best practices.
- Responsible for developing Workflows with **PySpark** and using **Airflow** scheduler. Working on **Big Data** Technologies.

IIT ROPAR | Research Intern
May 2019 – Jul 2019 | Punjab, India

- Chart Image classification using Deep learning and ML Techniques
- Designed Region-based text categorization technique for Chart images.

IIT ROPAR | Research Intern
May 2018 – Jul 2018 | Punjab, India

- Done Research and derived a method for Data Extraction and classification of line and bar charts.
- Design and deliver technology to assist people with disabilities.

Achievements

2019   Finalist - **Road Safety Hackathon** at IIT Guwahati
2018   **Kodesk Coordinator**– programming club - NIT Uttarakhand.
2017   **Technical Coordinator**: CSE Dept. - NIT Uttarakhand
2017   Organized the **PRODYOGEEKY** annual TECH MEET

Publications

[1] P. Pundir, A. Agarwal, and K. Kumar. Swift controller: A computer vision based mouse controller. In *Conference Proceedings of ICDLAIR2019*, pages 201–209. Springer International Publishing, 2021.

[2] P. Pundir, S. Aggarwal, and M. Deshmukh. Malaria detection using convolutional neural network. In *International Conference on Advanced Machine Learning Technologies and Applications*, pages 187–195. Springer, 2020.

[3] P. Pundir, S. Gupta, R. S. Patel, R. Goswami, D. Singh, and K. Kumar. Poconet: A pathway to safety. In *Conference Proceedings of ICDLAIR2019*, pages 299–306. Springer International Publishing, 2021.