Aashish Chaubey
Data Scientist

Data Scientist with a strong mathematical, computer science background and 4+ years of experience using predictive modelling, deep learning, machine learning, statistics, natural language processing, computer vision and cloud computing across domains.

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WORK EXPERIENCE

Data Scientist
Alten Calsoft Labs

09/2021 - Present   *Bangalore, India*
Solutions, and Consulting Offerings Company
Achievements/Tasks

- Leading NLP practice for building organization's internal capabilities by using SOTA models along with modern frameworks and library based on Python like PyTorch.
- Integrated Deep Learning solution to the front end using REST API's and libraries like Flask and FastAPI. Good experience in documenting code and maintaining the repositories.
- Designed and implemented a face detection solution using PyTorch and TensorFlow using several different techniques like MTCNN, OpenCV, etc. for deploying in different environments.
- Wrote white papers and published it on several interesting factions of my work. Also spared some time contributing to open source community.

Data Scientist
IBM India Software Labs

07/2018 - 09/2021   *Bangalore, India*
Hybrid Cloud and Cognitive Software Company
Achievements/Tasks

- Spearheaded education initiatives with cross-organization collaboration, facilitating audiences to understand AI & ML techniques as a NASSCOM SME.
- Coached, developed, and motivated team members, providing coaching and mentoring to junior data scientists on AI and machine learning techniques.
- Have extensive experience of working with IBM AI tools, i.e., Watson Assistant, Watson Discovery, Watson Natural Language Understanding, Watson Knowledge Studio, etc., and also to architect a solution as an individual contributor.
- Part of the core team responsible for designing and developing an enterprise-grade product within a period of 6 months and deploying it on IBM Cloud.
- Closely collaborated with the research team, data science team, and the offering manager to understand their insights and improve the web app performance.
- Used Transformers and Attention models in NLP to develop NLP application for the client in manufacturing domain which helped in optimizing the process for logging an incident.

EDUCATION

Computer Science
PES Institute of Technology, Bangalore

07/2014 - 05/2018   *Bangalore, India*
Courses

- Artificial Intelligence
- Data Structures & Algorithms
- Software Development
- Statistics/Data Science

SKILLS

Predictive Modelling & Analytics | NLP | Time Series Analysis | ML/DL | Cloud | Statistics | Python/R | Computer Vision | RNN's | Transformers/Attention Models

ACHIEVEMENTS

Managers Choice Award (07/2018 - 09/2021)
3 awards in 3 successive years

Hack-a-thon winner (09/2019 - Present)
Multiple Hack-a-thons

Best Solution Award (06/2018 - 06/2018)
Dora Hacks Hack-a-thon

Guest Speaker (06/2022 - 06/2022)
AI/ML Guest speaker at KVEG, Chennai Campus

PERSONAL PROJECTS

Driver Drowsiness Detection (03/2017 - 05/2017)

- Detect if the driver is drowsy given the non-intrusive, real-time attributes of the driver to minimize the risk of an accident on road.
- Build a system using Python, OpenCV, and Keras which will alert the driver when he feels sleepy.

NLP - Sarcasm Detection (08/2021 - Present)

- The goal of the project was to detect sarcasm in sentences enabling the machine to better understand the intent of the user in the context.
- Scrapped data from social media and few other platforms and applied Deep learning models to confidently score if the statement is sarcastic.

ORGANIZATIONS

Aspire For Her (07/2020 - Present)
Mentor

NASSCOM SME (02/2019 - 09/2021)
Data Science & IoT SME

Android Club (04/2015 - 05/2018)
Founding member of the Android Club at university

INTERESTS

Traveling | Reading | Blogging | Solving Problems | Sports Activities