Kaushal Sharma

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github.com/iamkaushal

EDUCATION

- **Netaji Subhas University of Technology(East Campus)** — New Delhi
  B.Tech in Electronics and Communication; CGPA: 7.9 — *Aug. 2015 – Jul. 2019*

EXPERIENCE

- **Zydelo Inc** — Remote
  Senior Software Engineer — *May 2021 - Present*
  - **Scalable Web Services**: Lead the end to end development of scalable and robust back-end APIs for the in-house products and multiple clients. Mentored junior developers and helped with code reviews and best practices.
    Technologies worked on - Python, Django Rest Framework, PostgreSQL, Elastic Search, Redis, Docker.
  - **Infrastructure Provisioning**: Automated provisioning and configuring of Infrastructure on Amazon Web Services, using Terraform and Ansible. Reduced the manual effort for provisioning and configuration of services that use to take 3-4 days to just few minutes of Devops efforts.
    Technologies worked on - Terraform, Ansible, Python, AWS, EC2, S3.

- **Wipro Limited** — Gurgaon
  Software Development Engineer — *Jul 2019 - May 2021*
  - **Enterprise Data Warehousing**: Implemented Enterprise Data Warehouse for one of the largest public sector banks in the country. Worked in multiple role varying from writing ETL jobs in SAS and IBM Datastage to Scheduling and Monitoring of jobs in Production environment.
    Technologies worked on - IBM Data Architect, SAS DI, Oracle Dbeaver
  - **Fraud Detection POC**: Worked with core FRMS team, discussed various methodologies involving detection of Fraudulent Transactions and accounts. Did POC using various ML algorithms like XGboost, CatBoost, Random Forest on huge datasets. Analysed emsembled models also.
    Technologies worked on - Sklearn, numpy, Matplotlib, pandas, XGBoost, Jupyter Notebook

- **Law Facto - Dhuper Infotech** — New Delhi
  Software Development Intern — *Oct 2017 - Feb 2018*
  - **Description**: Responsible for writing and deploying the whole backend infrastructure including REST APIs for the Android and iOS Apps Built and shipped the backend for the official app of Delhi High Court Bar Association(DHCBA).   App Link

PROJECTS

- **Pgbackup: Postgres Backup CLI tool**: Published python package on PyPI that is provides a command line interface to create backups of PostgreSQL and save it locally or on AWS S3 bucket.   Project Link   Source Code
- **Power Line Fault Detection EDA Feature Engineering**: Exploratory Data Analysis on VSB Power line partial discharge patterns in signals acquired from these power lines with a new meter designed at the ENET Centre at VŠB to derive POC for continuously monitoring and predicting power line faults.   Project Link

RESEARCH & PUBLICATIONS

- **Kaushal Sharma, D. Chaudhary. (2019). Hindi Handwritten Character Recognition using Deep Convolution Neural Network.** :
  In Proceedings of the 13th INDIACom; INDIACom-2019; IEEE Conference ID: 46181.2019 6th International Conference on "Computing for Sustainable Global Development", New Delhi, India   Link

- **Kaushal Sharma, D. Chaudhary,R. Gupta, R. Kapoor. (2018). Voice based application designed for visually impaired people and enabling them to use gmail services.**:
  In Proceedings of the 12th INDIACom; INDIACom-2018; IEEE Conference ID: 42835. 2018 5th International Conference on "Computing for Sustainable Global Development", New Delhi, India

TECHNICAL SKILLS

- **Programming Languages/ Databases**: Python, JavaScript, TypeScript, Redis, Elastic Search, PostgreSQL
- **Frameworks**: Django, Django Rest Framework, React, Flask, FastAPI, Sklearn, Tensorflow
- **Technical Interests**:   System Design, Design Patterns, Microservices, Data structures and Algorithms
- **Tools**: Ansible, Terraform, Docker, Jenkins, Vim, Git, Sentry, AWS, Alembic, SQLAlchemy