Akhil Negi

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| Education  **ASN Sr. Sec. School**  **Senior Secondary (CBSE)**  Graduated March2007  ------------------------------------------  **G.L. BAJAJ INSTITUTE OF TECHNOLOGY**  Bachelor of Technology  (Electronics and Communication)  Graduated May 2012  Skills  **Programming Languages:**  **Python**: ★★★★★  **R** ★☆☆☆☆  **C++** ★☆☆☆☆  **Tools**  **Jupyter Notebook** ★★★★★  **Anaconda** ★★★★★  **Pycharm** ★★★★★  **VSCode** ★★★★★  **ArcGIS** ★★★★★ **QGIS** ★★★★★    **DL/ML Stack**  **DL algorithms** ★★★★★  **Pytorch** ★★★★★  **Fastai** ★★★★★  **Transformers** ★★★★★  **Keras** ★★★☆☆  **Pandas** ★★★★★  **Multithreaded**  **/Distributed** -  **programming** ★★★★☆  **ArcGIS python API ★★★★★**  **GDAL** ★★★★☆  **Langchain** ★★★★☆  **Cloud platforms:**  **AWS** ★★★★★  **Azure** ★★★★★  **GCP ML APIs** ★★★☆☆  **OS / Virtualization:**  **Linux**  **Windows**  **Docker**  **Other tools:**  **ArcGIS Pro**  **Redis Cache**  **MS Project Server**  **Sharepoint 2013**  **SQL**  Interests  **Trail running, hiking.**  **Deep learning evangelism.** | Work Experience  **EY Global Delivery Services** December 2021 – Present  (Associate manager – Intelligence and Automation)   * Hands on experience with designing and developing rapid POCs with generative AI models, in the space of:   + Enterprise knowledge management and discovery.   + Enterprise risk identification and analysis.   + Contact center. * Working as a Senior Data Scientist for implementing transactional fraud (Digital events and cards) detection and mitigation application for one of the large UK banks. * Lead a 6-member team to develop and deploy a Data Monetization platform for a large power and utility sector customer.   + Platform was handling huge volume of data (Millions of consumers countrywide) and generating data backed insights.   + This platform had geo spatial analysis(GIS) capabilities targeting real estate, tourism, banking & telecom customers. * Lead a team of 10 junior data scientists to develop and deploy a Document AI solution for a major client in Chemical (procurement) domain. * I was involved in requirement gathering, feasibility analysis effort estimation, architecture design, training data curation, model development, improvement and deployment activities while working on the Document AI solution. * Contributed to business development activities by developing multiple NLP and CV POCs for clients across different domains.   **ESRI New Delhi R&D center (Environmental Systems Research Institute)** May 2019 – November 2021 (Data Scientist 2)   * Worked as a python developer on the ArcGIS python API team to integrate the latest deep learning models for imagery, unstructured text, and 3D point cloud data. * Worked on integration of Image Segmentation, Instance Segmentation, Object Detection, OCR, Point cloud classification, text classification, named entity recognition, sequence to sequence translation, text summarization models to the API. * Scrum master for the python API product team. * Researching new datasets and training ready to use production scale deep learning models on multi-GPUs, to be published on ArcGIS Living Atlas. * NLP specialist for curating and maintaining the text sub-module of the python API. * Researching for opportunities within existing product ecosystem for enhancements using ML/DL * Deploying ready-to-use models as web services using cloud infrastructure. * Working with other teams in the organization to implement deep learning solutions in their product.  Few such projects include:   + Improving search and discoverability in ArcGIS online.   + Redacting personally identifiable information from public documents. * Presenting the Python API and our team’s work in Webinars, ESRI developers summits and user conferences.   **Tata Consultancy Services (Life Sciences- TEG)** Jan 2017– Mar 2019  (Data Scientist)   * Meeting the stakeholders to understand the process from ground up. * Understanding the process and identifying areas that can be targeted with ML/NLP implementations. * Working with other developers on mining the data. * Training data preparation: Laying out the data labeling guidelines for manual labelling done by my team. * Laying out the infrastructure requirements and setting up the VMs on the google cloud platform. * Building the data cleansing and preprocessing pipeline. * Research for State-of-the-art deep learning architectures/Research papers in order to retrofit the same for our problem statement. * Model building, training, tuning and setting up deployment pipelines. * Assisting the team with any issues while training the deep learning models. * Hiring and mentoring ML resources on the team.   **Tata Consultancy Services (Ameriprise Financial)** Mar 2013 – Sep 2016 (Sharepoint developer/Project Server SME)   * Design, develop, and manage site content and capabilities and provide daily onsite maintenance of the existing SharePoint portals. * Design intelligent form-based applications (InfoPath) as per business requirements. * Work with Project Managers, providing accurate development estimates as requested. * Ensure systems change management is carried out in accordance with agreed standards and procedures on Service Now. * Walkthrough of the design and code to the Production support team and Change management team. * Reporting of status to the client through weekly meetings. * Act as Project Server SME for Project Management Group. * Assist PMs with the maintenance of project pages in SharePoint. |