Yash Jain

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SKILLS

Programming Languages: Python, SQL, R, Java, C, C++, JavaScript, HTML, CSS, MATLAB, Shell Script
Machine Learning: SciKit Learn, TensorFlow, Keras, Numpy, Pandas, PyTorch, NLTK, SciPy, FastAI, Spacy
Tools and Technologies: Git, Django, Flask, Spark, Docker, Kubernetes, Excel, Google Cloud Platform (GCP), Databases(MySQL, NoSQL), Visualization Tools(Power BI, Tableau, Matplotlib, Seaborn), Selenium, Beautiful Soup

EXPERIENCE

Software Developer, Naiva Solutions, Inc., Newark, DE (Remote)   *Jun 2025 – Present*
- Contributing to the development and maintenance of a scalable mobile application by implementing dynamic user interfaces with **Angular** and ensuring responsive design using **Spring Boot** on the backend

Machine Learning Engineer, Changing The Present, Manhattan, NY (Remote)   *Jun 2024 – Jun 2025*
- Boosted team onboarding efficiency by **50%** by building an in-house ATS using **Python**, **SpaCy** and **SciKit-Learn** to parse resumes and recommend candidates to teams via customized ML-based matching system
- Increased user engagement by **~20%** by building a summarization tool using **LLMs** (T5 and BART), condensing 100+ nonprofit descriptions, as validated through **A/B testing**
- Reduced manual error triage time by **40%** by developing a machine learning model to classify AWS log errors by severity, enabling faster prioritization of critical system and production issues
- Enabled identification of **50+** new high-potential organizations by designing a dashboard that combined user engagement metrics and donation data, supporting strategic decision-making by the partnerships team

Machine Learning Intern, Genpact, Bangalore, India   *Jan 2022 – Jul 2022*
- Achieved a **70%** reduction in processing time by leveraging Python libraries (**OpenCV, NumPy**) to develop efficient data cleaning and augmentation scripts for retinal image dataset
- Collaborated with a team of **12** interns to achieve a **45%** improvement over the base model by fine-tuning hyperparameters and employing ensemble methods utilizing **TensorFlow**

Data Analytics Intern, Ericsson, Gurgaon, India   *May 2020 – Jul 2020*
- Integrated 3M telecom records for data analysis by implementing automated **ETL** scripts using Python and **SQL**
- Built 15+ interactive **Power BI** dashboards to provide insights to stakeholders into Ericsson's user data collected by the charging system, visualizing trends and key data patterns

PROJECTS

Topic Classification of United Nation Speeches ([Link]**)**   *Jan 2023 – May 2023*
- Surpassed benchmark (F1 score) by **31%** through development of a semi-supervised approach that leveraged graph-based neural networks and NLP techniques
- Enhanced classification accuracy by **37%** eliminating data noise and extracting word vectors (embeddings) on **1M+** speeches with **BERT LLM** and **Node2Vec** in TensorFlow

EDUCATION

Stevens Institute of Technology   Hoboken, NJ
Master of Science in Machine Learning   *Sep 2022 - May 2024*
Courses: Artificial Intelligence, Deep Learning and Business Applications, Natural Language Processing (NLP)
Certifications: Oracle Cloud Infrastructure 2024 Generative AI Certified Professional ([Link])   *Jul 2024*
Graduate Teaching Assistant: Web Mining   *Feb 2024 – May 2024*

NIIT University   Neemrana, India
Bachelor of Technology in Computer Science and Engineering   *Aug 2018 - May 2022*
Courses: Data Structures and Algorithms, Object Oriented Programming, Computer Vision