DHRUV CHANDRA

Data Scientist

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SKILLS

Programming: Python, SQL, Software Development, Generative AI (Gen AI).

Mathematics: Statistics - Hypothesis Testing.

Exploratory Data Analysis (EDA): Statistical Data Analysis, Data Cleaning/Preprocessing, Feature Extraction/Transformation, Big Data, Dimensionality Reduction.

Data Visualization: Matplotlib, Seaborn, Tableau.

Machine Learning and Data Science: Model Deployment/Monitoring, Deep Learning, Natural Language Processing (NLP).

Software Tools: Azure Cognitive, Azure SQL, Azure ML, Azure Designer, Data Lake, DevOps.

Deployment Tools: GitLab.

Frameworks: Streamlit.

WORK EXPERIENCE

Gen AI Developer (Freelance)

mPass   *July, 2024 – Present*

- Created an **Automated Python** script to update all the WordPress blogs every 10 days, with unique content generated using **GPT-4 API**, within **5-6 seconds** per blog, **maintaining SEO score of over 90%**.
- Logged **SEO**, **Performance and Accessibility** scores from **PageSpeed** for further **Data Analysis**.
- **Communicated** with stakeholders to understand the **business requirements,** and **recommend financially efficient** approaches.

Software Engineer

Coforge, Noida.   *Sep, 2021 - Present*

- **Automatically** filling values and converting over **3,000 documents** into PDF **within 20 minutes**, saving 3-4 months of manual testing and **$1200 per year for Aspose**.
- **Developed an XML parser** to display XML attributes in tabular format, **reducing memory usage** by **27%**, over the previous application.
- **Collaborated** with **Product** and **BA** teams to **gather, analyze** and **define user priorities**, averaging **resolution** of **7-9 major** and **15-18 minor** bugs a month, honoring 3-day SLA - **93.6% of the time**.

Graduate Engineer Trainee

Coforge, Noida.   *Jul, 2021 – Sep, 2021*

- **Ranked 3rd** at the bootcamp assessment evaluating **Python** and **SQL**.

QA Intern

Foundit, Noida.   *Feb, 2021 – Jul, 2021*

- **Reported** one of the **biggest bugs** on v4 recruiter website that **created multiple search keywords** while **omitting a single word**.
- **Presented** a **Weekly Report** to **stakeholders**, **showcasing** the **improvements** in v4 vs the **previous versions** (v3 and v2).

ML Intern (Summer Internship)

Univo Education Private Limited, Noida.   *Feb, 2020 - Sep, 2020*

- **Trained Logistic Regression** models, classifying students at risk of **dropping out** and/or **failing an online course**, **deployed** the one with an **Accuracy** and **Precision** of **over 92%**.

PROJECTS

BlogBotter   *June, 2024 – July, 2024*

- Architected **BlogBotter**, leveraging Python's **Streamlit** framework to develop an **AI Chatbot** that **generated unique blog** content and **improves the SEO**.
- **BlogBotter** generates **new blog within 15-16 seconds** and **optimizes SEO** within **19-23 seconds**, utilizing **lemmatized keywords** and **GPT-4 text generation.**
- **GitHub:** https://github.com/Dhruv-Chandra/BlogBotter.

Covid-19 Analysis *Aug, 2023 – Sep, 2023*

- **Analyzed** the medical history of **10,48,575** people, classifying their **Covid-19 Severity** in 4 levels – **High, Medium, Low** and **No Covid.**
- Implemented **Bivariate/Univariate Analysis**, **reducing 86%** of the **Null values.**
- Rectified data imbalance, adding **7,98,353 data values**.
- Acquired **70% Accuracy,** using **Decision Tree,** with **precision-recall** between **69-73%**.
- **GitHub**: https://github.com/Dhruv-Chandra/Covid-19.

WORKSHOPS and CERTIFICATIONS

Deep Learning Workshop | UPES, Dehradun *July, 2024*

- Gained hands-on experience on **Autoencoders, Transfer Learning, Transformers** and **Federated Learning.**
- Scored **98%** in the final assessment.
- **Certification:** Deep Learning: From Foundations to Cutting-edge Techniques.

Accelerated Computing with Nvidia GPUs Workshop: NVIDIA *June, 2024*

- **Implemented Deep Learning models** using Nvidia GPUs for **faster processing** compared to CPUs.
- Maintained an average score of **94%** across all assessments.
- **Certifications:**
    - Fundamentals of Accelerated Computing with CUDA C/C++.
    - Fundamentals of Accelerated Computing with CUDA Python.
    - Fundamentals of Deep Learning using CUDA.
    - Applications of AI for Predictive Maintenance.
    - Building Transformer-Based Natural Language Processing Applications.

Machine Learning on AWS: AWS *Sep, 2022*

EDUCATION

Indian Institute of Technology (IIT), Gandhinagar, Gujarat. *May, 2024 - Present*
eMasters Degree, **Data Science for Decision Making, 9.5 CPI**.

Amity University, Noida, Uttar Pradesh *Jun, 2017 – Jul, 2021*
B. Tech. (Bachelors of Technology), **Computer Science**, **7.22 CGPA**.
(Electives: **Machine Learning**, **Deep Learning**, **Computer Vision** and **AI**).

D.A.V. Model School, Durgapur, West Bengal *Jun, 2015 – Mar, 2017*
Computer + Mathematics, **84%**.

D.A.V. Model School, Durgapur, West Bengal *Jun, 2013 – Mar, 2015*
Computer + Mathematics, **8.8 CGPA**.