ADARSH KUMAR SINGH

GMail | GitHub | LinkedIn

Contact Number:
(+91) 9555385613

EDUCATION :

B-Tech, Computer Science and Engineering | **SRM University**, Chennai, India | **CGPA: 8.57/10 | 2020-2024**

EXPERIENCE :

Data Analyst   **EY GDS, Kochi**   Website | LinkedIn
Oct 2024 - Apr 2025
- Supported the Assurance team in Audit processes for Middle East clients by **sourcing, cleaning, and transforming large datasets** from auditors, ensuring consistency and accuracy.
- Utilised **Alteryx and Excel** to streamline data processing and deliver standardised, audit-ready datasets, enhancing audit efficiency.
- Developed an Alteryx workflow to transform SAP ERP data into a workable format.
- Mastered adding subsequent data into existing YE audit cubes and drafted a guide for the team.

Data Scientist Research Internship   **NUS, Singapore**   Website | LinkedIn
Dec 2022 - May 2023
- Developed Expertise in **Data Science**, **Data Analytics**, **Data Mining**, and **AI/ML** over a 6-month Internship.
- **Led a 5-person team** to deliver 2 Research Projects.
- Received **LoR** from NUS University.

PROJECTS :

Financial Market Manipulation Detection System [Finance **]**   GitHub
- Implemented **TadGAN**, **LSTM with AutoEncoders**, **AER**, and **ARIMA** models on a dataset of four companies.
- Qualitatively analysed the results of this project in accordance with SEBI's reports.

Detection of Orthopaedic Abnormalities [Medical Science **]**   GitHub
- Created a Deep learning model using Stanford's **MURA dataset (40,561 Images)** for orthopaedic condition diagnosis.
- Achieved a **Cohen Kappa Score** of approximately 0.7, aligning closely with the benchmark study.

Gender Pay Gap Analysis and Prediction [Gender Equality **]**   GitHub | Explanation
- Analysed gender-based pay gap across 1000 employees in 10 different job roles, developing regression models for prediction.
- Recommended for publication by the IC2ACM 2023 panel in Springer

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TECHNICAL SKILLS :

- **Languages/Libraries:** Python, SQL (Advanced), Scikit-learn, TensorFlow, Pandas, Keras, NumPy
- **Data Science Skills:** AI, NLP, CV, ML, RESTful APIs, Alteryx, EDA, Data Visualization, Image Processing, Statistics, Web Scraping, Excel (Advanced Functions, Pivot Tables, VLOOKUP, Macros)
- **Cloud:** Google Colab, IBM Cloud, Process Improvement
- **Programming Environments:** Replit, Jupyter Notebook, Visual Studio Code
- **Dashboarding and Presentation:** Tableau, Power BI, PowerPoint, KPI Tracking & Reporting

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ACHIEVEMENTS :

- **1st Place** - Led a 3-person team and secured 1st place at SRM Ideathon 3.0 - Feb 2023
- **Finalist** - Facilitated a 3-person team advancing to the finals of the NEXTGEN AI Ideathon - Oct 2022.
- **Published Research Paper** - Integrating AI in Legal Summarization and Information Retrieval (Link)

CERTIFICATIONS :

- AWS Data Analytics - **AWS Academy**
- Foundational Certificate in Data Science and Programming - **IIT Madras**
- Data Science Specialization - **IBM Coursera**