Anagha Vinayak Kamat
Business Intelligence & Data Analyst
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Career Objective

IT enthusiast with a strong foundation in Python and SQL technologies. Seeking an opportunity to work and assist companies in managing and creating high-end software and analytical solutions. Highly motivated to contribute to the company's growth by ensuring high quality and reliable services are provided.

Skills

- Core Java / Python / R / Django / React / Javascript
- Extract Transform Load
- Machine Learning and Deep Learning
- Artificial Intelligence / Natural Language Processing
- Structured Query Language (SQL)
- Statistical Modelling and Analysis for Data Science
- Git/GitHub/Gitlab
- Data Scraping and Data Mining
- Linux
- PowerBI / Tableau
- Microsoft Office Suite 365
- Data Visualization / Data Segmentation
- Analytical Thinking
- Project Management
- Agility
- Communication
- Adaptability
- Time Management

Work Experience

Data Science Intern, Orcawise, Dublin, January 2024 – April 2024

- Data extraction from web portals using automated ETL procedures with the objective to retrieve accurate and efficient information.
- Collaborated with the senior management team and cross-functional teams to understand data requirements and ensure accurate data is scraped.
- Performed CRUD operations and built data pipelines to process and store large datasets. Worked with JSON and CSV flat files and loaded it into the SQL server.
- Handled CAPTCHAs, IP bans, and page structure changes.
- Analyzed vast datasets to derive insights and improve model accuracy and efficiency.
- Worked with product and engineering teams to integrate advanced AI and NLP models into the company's core services. Deployed the AI model on the web using Heroku.

Python Mentor at National University of Ireland Galway, Galway, September 2022 – March 2023

- Mentored students on robust data structures algorithms, database modeling, Object Oriented Programming, and String Manipulations to make sure good practical understanding in python.
- Assisted in error resolutions and provided optimized solutions to ensure high quality and reusable code is developed.

Education

Master of Science in Computer Science (Data Analytics), September 2022 – August 2023

National University of Ireland Galway, Ireland, **Grade:** 2.1

- **Machine Learning / Deep Learning / NLP:** Built different regression and classification models, K-means clustering, neural networks and transformers like BERT/ GPT using python to achieve different tasks. Built Logistic regression, shallow neural networks from scratch and customized conv2D layer of Convolution Neural Network.
- **Statistics for Data Science / Programming for Data Analytics:** Performed statistical analysis on various datasets such as regression, hypothesis testing, sample size determination using R programming.
- **Final Year Project -** Semantic Text Similarity with Explainable AI
  Leveraged pre-trained transformer models like Siamese Networks such as SBERT from Hugging Face to obtain embeddings to calculate semantic text similarity. Integrated LIME Explainable AI to investigate the embeddings and obtain explanations for the results achieved. Worked on python libraries like Pytorch and Keras and Jupyter Notebook for model implementation.

Bachelor of Science in Information Technology, June 2019 – May 2022

University of Mumbai, India, **Grade:** 1:1, 1st class distinction with Top position.

- **Business Intelligence / Applied Mathematics and Statistics:** Performed data analysis using MS Excel and PowerBI. Worked on data analysis using R and investigating Type 1 and Type 2 errors in Hypothesis testing.
- **Python / Java / Software Engineering / Database Administration:** Practiced advanced level of java J2EE and python programming including building data structures and algorithms, worked on planning the whole Software development life cycle, and built relational databases for full-fledged software development.
- **RedHat Linux:** Worked on virtual machine installation and carrying out important tasks on Linux OS such as creating and setting up the CRON job, creating and assigning groups and user authorizations, multi-threading.
- **Final Year Project -** Job Recruitment Web app Portal
  Built a one spot job recruitment web app for candidates and recruiters for resume preparation, job applications, shortlisting, job posting, tracking, email automation, and monitoring the entire end-to-end job application process. Built using Python, Django, HTML5, CSS3, JavaScript, MySQL, and Bootstrap.

Projects

Tesla Stock Price Forecasting and Analytics

https://github.com/AnaghaVinayakKamat/Tesla-Stock-Prediction

- Conducted in-depth explorative data analysis on Tesla stock market data utilizing Python, R, PowerBI, and Excel.
- Analyzed, reviewed, and interpreted complex data through the development of case-studies to obtain insights.
- Executed data cleaning operations to ensure accurate and complete data is used.
- Built a predictive model using LSTM regression to forecast future Tesla stock prices to predict percentage increase or decrease in Tesla stock price for the month of January 2024 based on model outcome.

Local Business Website Development

https://kamatopticians.netlify.app/home

- Designed and built the entire website utilizing HTML, CSS, JavaScript, and Bootstrap.
- Hosted the website on the internet using Netlify.

Certifications

Google Advanced Data Analytics - Coursera

- Completed an online certification program focusing on advanced analytics techniques, tools and methodologies followed with a data analytics capstone project for improving skillset.
- Acquired hands-on experience on various technologies such as Tableau Software, Python for ETL, Statistical Modelling and Analysis and hypothesis testing, regression modeling and analysis, and applying machine learning to solve business problems.

Awards and Achievements

- Awarded for being the Best Academic Performer for getting the highest grade.
- Presented college in the National Level Research Competition - Avishkar.
- Referred by the employer on LinkedIn.