Hemanth Paneer Selvam

Data Scientist / Data Analyst

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CAREER OBJECTIVE

A motivated individual who is fascinated by technology and wishes to make a difference. Looking forward to attaining a suitable professional employment compatible with my qualification and skills that offer professional growth while being resourceful, innovative, flexible and contribute towards growth and success of the organization.

KEY SKILLS

- Data manipulation and visualization using Python(*Pandas, NumPy, Matplotlib, Seaborn, Plotly Express*)
- Analyzing and forecasting Time Series data using R and Python
- Good understanding of Mathematical concepts like Linear Algebra, Probability, Statistics and Calculus
- Application of SQL and integration of SQL with python in Database Systems
- Reactive Web pages using HTML, CSS and Bootstrap 4 and hosting them on Netlify
- Developing Android applications using Java
- Experience in using version control software like Git
- Understanding of Big Data Analytics concepts like Hadoop, Hive, Hbase, Pig.
- Languages: Highly proficient in Tamil, Hindi, and Kannada.

EDUCATION

Queen Mary University of London   (JANUARY 2021 - JANUARY 2022)

Master of Science - Data Analytics (Grade: Distinction)

Majors in the following

- Probability and Statistics
- Time Series Analysis
- Machine Learning with Python
- Storing, Manipulating and Visualizing Data
- Financial Data Analytics
- SAS for Business Intelligence

New Horizon College of Engineering, India   (AUGUST 2016 - AUGUST 2020)

Bachelor of Engineering, Computer Science and Engineering (CGPA: 8.47 out of 10)

Majors in the following

- C Programming
- Core Java Programming
- Web Development
- Database Management Systems (MySQL)
- Android Application Development
- Big Data Analytics with HP Vertica

EXPERIENCE

Trainee Decision Scientist   (JULY 2020 – JANUARY 2021)

Mu Sigma, India

- Performed data analysis, data exploration and data visualization for different projects within the company.
- Analyzing and solving problems of clients of Mu Sigma.
- Interacting and communicating with team members to find best fit solutions for the clients.
- Training involved various activities like understanding the given data, representing it in the form of charts, forming ideologies/patterns and recommending better strategies to the clients.

Intern   (FEBRUARY 2020 – MAY 2020)

Surya Software Systems Pvt Ltd, India

- Developed dashboards and basic web pages using HTML, CSS, Bootstrap 4, and basic JavaScript functions.
- Assisted senior stakeholders with Data Analysis, which involved the usage of Presto for querying against the data source in PostgreSQL.
- Communicating and delivering business objectives to all levels of internal stakeholders.

EXTRA-CURRICULAR EXPERIENCE

- Elected as the Student Representative for School of Mathematical Sciences in Queen Mary University of London
- MSc in Data Analytics Representative in Queen Mary University of London. Narrowing the gap between students and the lecturers by voicing out their concerns to the lecturers.
- Committee Member of Mobile App Development Club in New Horizon College of Engineering. We as a team conducted and organized various tech events for students.
- Volunteered for Event Management in New Horizon College of Engineering.

CERTIFICATIONS

- **Associate Microsoft Excel (Office 2016),** a Microsoft Excel Certification covering all necessary excel skills.
- **The Ultimate Cryptocurrency Trading Course for Beginners**, an online YouTube course covering topics on various technical aspects of Crypto trading.
- **Front-End Web UI Frameworks and Tools: Bootstrap 4**, an online course authorized by The Hong Kong University of Science and Technology offered through Coursera.
- **CCNA(Cisco Certified Network Associate),** a one-month crash course covering topics on Networking, Subnetting and IP Routing.

PROJECTS

- **Least-squares Monte Carlo for Option Pricing –** This was my topic for my dissertation where we have discussed how the Least squares Monte Carlo method being a key tool has helped us price our options. This thereby helps traders or financial managers to decide upon their future investments.
- **AMBILIFE -** Automation of traffic signals to reduce ambulance delays. Implemented this project in three different ways using IOT, Machine Learning and as an Android Application.
- **MY PORTFOLIO -** Collection of my personal work covering a selection of my performances over time.
- **TRASH WARRIOR using Android -** An application which initiates the habit of waste disposal systems in India. Users get rewarded for the waste they segregate and dump.
- **CARS24 using phpmyadmin -** A secondhand cars database management system made using phpmyadmin to allow the sellers and buyers to connect directly and cut out the need for a middleman, thereby minimizing transaction fees.

INTERESTS

- Mini DIY's - Working on electronic projects like Line follower, Humidity Sensors, etc.
- Listening to Podcasts
- Travelling
- Cycling
- Crypto Trading & Investments