

LAVANYA SREEDHAR

Data Scientist | Data Analyst | Machine Learning Engineer | MLOps

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PROFESSIONAL SUMMARY

Experienced professional with a Master's in Data Science and 3.5 years of hands-on PHP-Laravel programming expertise. Skilled in data analysis, forecasting, and predictive modeling using tools like Tableau and Power BI. Proficient in SQL and server administration. Recognized for leading teams, optimizing processes, and enhancing user experiences with innovative solutions. Known for attention to detail and commitment to quality. Eager to contribute strategic vision to innovative organizations.

KEY SKILLS

Technical Skills: Data Analysis, Data Analytics & Visualization (Tableau, Microsoft Power BI, Libraries), Python (Pandas, NumPy, TensorFlow, PyTorch, sci-kit learn), Machine Learning, Deep Learning, SQL (Microsoft SQL), Data Cleaning and Pre-processing, Data Mining, Data Collection, Data Manipulation, Data Engineering, Statistical Analysis and Evaluation Metrics, Pattern Recognition, Modelling, Apache Spark (PySpark), Big Data, Data Warehousing, Data Cleansing, Mathematics, Statistics, ETL (Extract, Transform, Load), Proficiency in RDBMS, Databases, Data Pipeline, Exploratory Data Analysis (EDA), Trend Analysis, KPI (Key Performance Indicators)

Programming Skills: PHP, Laravel, C#/.Net Framework, Python, C++, R, VB.NET, Microsoft Excel, Spreadsheets, CSS, JavaScript, HTML

Tools & Technologies: Microsoft Office (Word, PowerPoint, Excel), Postman, Jira, Agile/DevOps Methodology, Git (GitHub, GitLab), APIs, Object-Oriented Programming (OOP), UAT (User acceptance testing), SDLC (Software Development Life Cycle), Linux, Windows, VS Code, Visual Studio, AWS (Amazon Web Services), TCP/IP Protocols (HTTP, SSL), Information systems

Soft Skills: Strong Analytical Skills, Leadership and Supervisory Skills, Coordination, Team Management, Time Management, Collaboration, Collaborative Mindset, Project Management, Verbal & Written communication skills, Customer Service, Domain Knowledge, Technical writing, Public Speaking, Data Storytelling & Presentation, Problem-solving, Growth Mindset, Result-oriented, Teamwork, Innovation, Professional Ethics, Continuous Learning, Knowledge Sharing, Staying Up-to-Date with Industry Trends

WORK EXPERIENCE

DATA ANALYST INTERN – MENTORNESS

APR 2024 – PRESENT

- Engaged in diverse tasks and responsibilities throughout the internship tenure.
- Acquire practical experience in SQL Power BI/Tableau projects.
- Actively contributed to the development of real-world SQL Power BI/Tableau applications.
- Developed and refine skills and knowledge within the dynamic domain of data visualization and analytics.

PHP DEVELOPER – CONTACTPOINT360 PVT LTD

MAY 2021 – AUG 2022

- Successfully delivered the TPV360 application on time and within the budget, meeting 100% of the specified client requirements.
- Spearheaded the development and integration of innovative features into the ERP software using Laravel and MySQL, resulting in a remarkable 60% decrease in reported bugs during the unit testing phase, ensuring a more seamless and reliable user experience.
- Achieved reduction in code integration time through efficient use of GitHub for version control and automated deployment to the server.
- Performed code reviews leading to a 100% enhancement in code quality, and successfully trained and onboarded new team members.
- Received positive feedback from some of the new joiners regarding the effectiveness of support provided in their successful integration into the project, demonstrated by their ability to make code contributions within a time period.

WEB DEVELOPER - CYBASE TECHNOLOGIES

DEC 2019 – MAY 2021

- Developed a complete CRM software using a Laravel framework.
- Implemented new client-required features in the project using agile methodology, incorporating versatile code for enhanced flexibility.
- Acquired programming skills and explored new technologies through hands-on learning.
- Self-learned new languages and add the skill to the project
- Conducted thorough code reviews and unit testing, followed by presenting and demoing the code to the team leader for evaluation and feedback.
- Conducted comprehensive code presentations and live demonstrations to the team lead, showcasing projects developed using Laravel, PHP, MySQL, JavaScript, jQuery, Ajax, HTML, CSS, Bootstrap, and Git, effectively highlighting key functionalities and implementation strategies.
- Utilized a diverse tech stack to illustrate the seamless integration of frontend and backend components, ensuring clarity and coherence in project development methodologies.

SOFTWARE ENGINEER - MINIFY SOLUTIONS

FEB 2019 – DEC 2019

- Specialize in website development using WordPress and Wix platforms, translating design concepts provided by designers into functional websites that align with client requirements and preferences.
- Collaborate closely with designers to ensure seamless integration of visual elements into websites, enhancing user experience and overall aesthetic appeal.
- Proficient in a range of technologies including PHP, MySQL, jQuery, HTML, and CSS, enabling smooth incorporation of design features into user-friendly interfaces.
- Extensive experience working on various types of websites, including ecommerce and content management system (CMS) sites, catering to diverse client needs and objectives.
- Acquired expertise in creating WordPress plugins, further expanding capabilities and enhancing customization options for clients' websites.

PROGRAMMER TRAINEE - ERAM TECHNOLOGIES

SEP 2018 – JAN 2019

- Successfully implemented a web-based ERP software system emphasizing efficiency, utilizing agile methodology and leveraging Yii2 framework.
- Employed a robust tech stack including PHP, JavaScript, jQuery, MySQL, HTML, CSS, Bootstrap, Git, and Bitbucket to facilitate seamless development.
- Played integral role in various modules including payroll, employment, leave management, sales, and purchase functionalities.
- Utilized CakePHP framework specifically for payroll module, ensuring efficient and tailored solutions for payroll processing.
- Demonstrated ability to manage diverse aspects of ERP development, contributing to enhanced organizational workflows and streamlined operations.

EDUCATION

MSC. DATA SCIENCE - MANCHESTER METROPOLITAN UNIVERSITY

SEPT 2022 – SEPT 2023

- Attained a Merit in the Master's program with a specialization in Data Science.
- Acquired a deep understanding of data science, Machine learning and deep learning techniques. Through rigorous coursework and hands-on experience, I honed my abilities in Data analysis or analytics, Visualization, Trend Analysis, Model prediction etc.

BACHELOR OF COMPUTER APPLICATIONS - BHARATHIAR UNIVERSITY

MAY 2014 – MAY 2017

- Graduated with First Class with Distinction, achieving a CGPA of 7.37.
- Completed a comprehensive curriculum covering core concepts in computer applications and programming.
- Developed proficiency in software development, algorithms, data structures, and system design. Engaged in practical projects and hands-on learning experiences to apply theoretical knowledge effectively.

ACADEMIC PROJECTS

FORECASTING TOURIST ARRIVAL IN THE UK

Conducted a comprehensive analysis to forecast tourist arrivals in the UK, utilizing time series analysis, regression, and deep learning techniques such as ARIMA, ANN, and exponential smoothing. Explored tourism dynamics, predicting influx, and identified key factors influencing trends in UK tourism.

PNEUNONIA CHEST XRAY IMAGE CLASSIFICATION USING DEEP LEARNING

Utilizing Convolutional Neural Networks (CNN), the research focused on categorizing pneumonia in chest X-ray images through deep learning techniques. The aim was to enhance the efficacy and accuracy of pneumonia detection in medical imaging, advancing diagnostic tools in healthcare through cutting-edge methodologies.

CAR PRICE PREDICTION USING SUPERVISED AND UNSUPERVISED LEARNING

Predicting car prices using both supervised and unsupervised learning poses challenges. The study navigated the intricacies of training models with labeled data and exploring data patterns with unsupervised approaches, harnessing the potential of machine learning. The goal was to develop a robust predictive model, enhancing accuracy in forecasting automobile prices and contributing to data-driven decision-making in the automotive sector.

CERTIFICATIONS

- Data Visualization with Power BI – Great Learning
- IBM Data Analyst (InProgress)