Deepak Sivashankaran

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# EDUCATION

Data Science Infinity **Data Science** | *February 2024 –*

Sree Krishna Arts College **MIB in International Business** | *March 2013 – March 2015*

# PROJECTS

**Fruit Classification Using a Convolutional Neural Network.** |*Python | Numpy | Pandas | MATLAB | KERAS | Anaconda July 2024*

* Using the CNN method trained a module and increased its prediction level using dropout and Augmentation
* Utilized Python libraries such as NumPy, Matplotlib, Keras, and Scikit-learn, leading to an 80% enhancement in data analysis and visualization efficiency.

**Predicting Customer Loyalty Using ML (Regression Model).**|*Scikit| Python| Github | Streamlit | SQL Spring 2024*

* Deployed a model and published it in Streamlit to find customer loyalty using Python and its libraries.
* Upgraded data modeling techniques and leveraged various programming languages to analyze and predict loyalty leading to a 20% improvement in cost-reduction accuracy and a 15% increase in customer satisfaction.

**Creating An Image Search Engine Using Deep Learning** |*Deep Learning | Python | Keras | Scikit| Jupyter Notebook | September 2021*

* Collaborated on developing an Image search engine using Deep learning, leading to a 20% boost in user engagement and a 25% enhancement in page load speed.

# TECHNICAL SKILLS

**Languages**: Python, SQL (MySQL), JavaScript, TypeScript, HTML, XML, JSON, CSS3, PHP and Java

**Frameworks**: Flask, Django, ExpressJS and JQuery

J**DevOps and API Tools**: Version Control Git, GitHub, Docker, Postman, CI/CD pipeline, and Streamlit

**Cloud Service**: AWS

**IDE**: Visual Studio, Visual Studio Code, Jupyter Notebook, Pycharm & Spyder

**Others**: Data Modeling, Anaconda, Design Patterns, Debugging, MacOS, Linux, Software Testing, WordPress, SEO, Single Page Applications (SPAs), Inkscape, OBS Studio, Microsoft Excel & PowerPoint.

# AWARDS AND Certifications

**AWS Certified Developer - Associate** | *Data Science Infinity Present*

**Data Science** *Data Science Infinity Present*

**Python**  *Entri 2023*

**HTML** *IT Career Switch 2023*

**CSS** *IT Career Switch 2023*

**JavaScript** *IT Career Switch 2023*

**PowerBI** *Lodha Developers 2020*

**Microsoft Excel** *Sitics Logistics 2016*

# EXPERIENCE

**Data Science** |Data Science Infinity *|* United Kingdom *March 2024–Present*

* Project 01 - Finding All Prime Numbers Under 1,000,000 Using Python.
* Project 02 - Assessing Campaign Performance Using Chi-Square Test for Independence.
* Project 03 - Predicting Customer Loyalty Using ML (Regression Model).
* Project 04 - Enhancing Targeting Accuracy Using ML (Classification).
* Project 05 - The "You Are What You Eat" Customer Segmentation (K-Means Clustering).
* Project 06 - Compressing Feature Space for Classification Using PCA.
* Project 07 - Understanding Alcohol Product Relationships Using Association Rule Learning.
* Project 08 - Quantifying Sales Uplift with Causal Impact Analysis.
* Project 09 - Fruit Classification Using a Convolutional Neural Network.
* Project 10 - Creating An Image Search Engine Using Deep Learning

**ADMINISTRATION MANAGER** | Modern Hire Pants Ltd *|* RUGBY *Jan 2023 – June 2023*

* Office Management: Overseeing day-to-day office operations and ensuring a well-organized and productive work environment. Led company's administrative efforts by understanding growth trajectory.
* Team Management: Supervising administrative staff, including hiring, training, assigning tasks, evaluating their performance, developing their skills, and training them by providing proper training programs and skills as required for the position. Planned, administered, and controlled contracts, equipment, and supplies budgets.
* Budgeting and Resource Allocation: Managing the budget for administrative expenses, allocating resources efficiently, and finding cost-effective solutions
* Vendor Management: Negotiating contracts and managing relationships with vendors, suppliers, and service providers to ensure timely and cost-effective delivery of services.
* Communication: Facilitating communication within the organization, ensuring information flows smoothly between different departments and levels of management.
* Technology Integration: Keeping current with technology trends and integrating relevant software and tools to streamline administrative processes.

**PROJECT ANALYST** | DLF Ltd, *|* India  *August 2019 –December 2021*

* Project Planning: Assist in developing project plans, including defining scope, objectives, deliverables, timelines, and resource requirements.
* Data Collection: Gather and compile data from various sources to support project planning, analysis, and decision-making.
* Risk Assessment & Documentation: Identify potential risks and issues that could impact project success and work with the project team to develop mitigation strategies. Maintain accurate and up-to-date project documentation, including meeting minutes, action items, status reports, and project schedules.
* Budget Tracking: Monitor project expenses against the budget, track spending, and report discrepancies to project managers.
* Data Analysis: Analyze project data to identify trends, patterns, and potential areas for improvement, and provide insights to project managers.
* Quality Assurance: Ensure that project deliverables meet quality standards and are aligned with project requirements.
* Organizing & Representing: Keeping track of tasks, deadlines, and employees, and following a structure for completing projects. Advocating for the needs of the team & identifying their areas for improvement

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# SOFT SKILLS

Problem-solving skills | Troubleshooting | Communication | Technical Leadership | Collaboration | Agile | Documentation | Stakeholders |Good motivation| Teamwork | Analytical mindset | Passion to learn New Technologies

# ACHIEVEMENTS

* Conducted code reviews for 10+ projects, ensuring precision, functionality, and strict adherence to coding standards.
* Using SQL & MS Excel, debugged and troubleshoot working software, resulting in a 20% decrease in production challenges and a 15% improvement in customer satisfaction.
* Created a working operational model using SQL, thereby improving the functionality and performance of the application by 20%.

# Other Working Experience

Amazon Amnesty Responder, Amazon, Rugby October 2023 – Present

Dispatch Team Leader, Wealmoor, Atherstone March 2023 – Dec 2023

Business Analyst, Lodha Developers, Mumbai Jan 2018 – July 2019

Logistics Analyst, Shar Metal, Dubai Jan 2016 – Dec 2017

Senior Operations Executive, Sitics Logistics, Kerala April 2015 – Dec 2015