

Meghanand Dussa

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PROFESSIONAL SYNOPSIS

- Data Science Practitioner with a project in cancer survival prediction. Proficient in Python (Scikit-learn, NumPy, Pandas), supervised/unsupervised ML techniques, and visualization (Matplotlib). Background in IT infrastructure (IIS, SQL, Windows) over 9 years of experience. Recently completed the "Advanced Programme on Data Sciences" certification from IIM Calcutta, enhancing expertise in advanced data analysis, predictive modeling, and machine learning algorithms tailored for business applications. Seeking to leverage skills in healthcare, BFSI, Manufacturing.
- Extensive work experience in automating tasks in Windows using PowerShell, developing dashboards in Splunk & New Relic.

TECHNICAL SKILLS

Programming:	Python (NumPy, Pandas, Scikit-learn, Tensorflow), SQL, PowerShell Script
Machine Learning:	Supervised/Unsupervised Learning, Regression, Classification, Time Series, Natural Language Processing
Cloud:	AWS (S3, EC2), AWS AI & ML Services
Visualization:	Tableau, Matplotlib, Seaborn
	Advanced Program on Data Science from IIM Calcutta
	AWS Partner: Machine Learning on AWS (Technical)
	AWS Partner: Generative AI Essentials (Technical)
	AWS Partner: Generative AI Essentials (Business)
	Introduction to Generative AI (Coursera)
Certification:	Introduction to Agile Development and Scrum (Coursera)
	AWS Cloud Technical Essentials (Coursera)
	DevOps Culture and Mindset (Coursera)
	Continuous Delivery & DevOps (Coursera)
	AWS Fundamentals: Building Serverless Applications (Coursera)
	Containerized Applications on AWS (Coursera)
	Version Control with Git (Coursera)
Frontend Development:	CSS, HTML
Operating Systems:	Windows Server2012R2/2019 standard
Database:	Microsoft SQL Server 2019
Technologies:	.Net
Webserver:	IIS 8.x
Tools:	Splunk, Newrelic, GIT, Bitbucket, Hyland OnBase
Ticketing Tools:	ServiceNow
Domain:	Banking

EDUCATION DETAILS

B.Tech in Electrical and Electronics Engineering from **JNTU, Hyderabad** with an aggregate of **72%**, graduated in year 2012

ORGANISATIONAL SCAN

Organization	Designation	Duration
Birlasoft (India) Pvt Ltd.	Sr Analyst	March 2018 - till date
ASPEN IT SOLUTIONS PRIVATE LIMITED	System Engineer	Sep 2014 - Mar 2018

PROJECTS EXECUTED

Cancer Survival Prediction (Data Science Project)

Duration	June 2023 – March 2024
Role	Lead
Team Size	4

Synopsis

This project is to develop a machine learning model that can predict the survival of cancer Patients using different supervised learning techniques like Logistic regression, Random forest, XGBoost. The model will be trained on a dataset of historical patient data, including information such as the patient's age, gender, cancer type, stage of cancer, and treatment. The model will then be used to predict the survival of new cancer patients.

- Data has been collected from Kaggle.
- Done Exploratory analysis to get insights of the data and identifying important features.
- Applied various supervised machine learning models to predict survival of patient.
- Evaluated models using metrics like Recall, Precision recall curve, confusion matrix and Improved model accuracy by 10%.

Satellite-Based Water Body Segmentation Using CNNs (Data Science Project)

Synopsis

In this project, I use satellite images to train a convolutional neural network (CNN) model to detect water bodies. The process involves several key steps, including data collection, preprocessing, model building, training, and evaluation. The final goal is to develop a robust model that can accurately segment water bodies from other land features in satellite imagery.

The model follows an encoder-decoder structure:

- **Encoder:** The first part consists of several convolutional layers followed by max pooling layers, progressively reducing spatial dimensions and increasing the number of feature maps. This part extracts and compresses features.
- **Decoder:** The second part consists of up sampling layers followed by convolutional layers, progressively increasing spatial dimensions back to the original size while refining feature maps to produce the final segmentation mask.

Fiserv - Synchrony One RTS /ICTS HBU (Birlasoft)

Duration	Mar 2018 – till date
Role	Senior Analyst
Team Size	17

Synopsis

Supporting Fiserv applications Aperio, Nautilus, DocPlus and Communicator.

Aperio – Application used by deposit call center and back-office users for account creation and maintenance.

Nautilus – Application used for archiving customer documents and reports.

DocPlus – Application used for generating documents like Letters, Notices and Checks.

Communicator - Middleware application help to connect above applications with external application outside synchrony called Signature.

Responsibilities:

- Develop dashboard using monitoring tools like Splunk and New relic.
- Configure alerts for service failure, Application URL monitoring and Server infrastructure using Splunk and New relic.
- Worked on SSL certificate installation and renewal process.
- Worked on new server builds.
- Created and monitored batch process.
- Worked with RPA team and developed tasks like file monitoring from multiple external sources.
- Performed annual password renewal activity of service accounts in production and nonproduction environment.
- Schedule processes in Hyland OnBase application called Nautilus.
- Automate tasks like reconciliation report, code deployments using PowerShell script.
- Participated in annual Disaster Recovery (DR) tests.
- Troubleshooting of severity high, medium and low issues within SLA.
- Configuration of Website properties like Application Pool, Default Page, .Net Framework, Virtual Directory etc.
- Involved in troubleshooting production outages.
- Pre and post patching activities and application validation.
- Continuous monitoring of ticketing tool and resolving assigned tickets.
- Daily health checkup of servers for services/memory/CPU and disk space.
- Analyzing HTTP Error Logs and identifying potential issues with computer systems.
- Troubleshooting day-to-day problems related to Servers, Websites and Database Connectivity etc.

Wipro C2H (Payroll company ASPEN IT SOLUTIONS PRIVATE LIMITED)

Duration	Sep 2014 - Mar 2018
Role	Application Support Engineer
Team Size	8

Synopsis

Worked for American global telecommunications conglomerate that is the largest broadcasting and cable television company in the world by revenue. Comcast is a producer of feature films and television programs intended for theatrical exhibition and over-the-air and cable television broadcast

Responsibilities:

- Hosting Websites in Production Server for public usage.
- Deployment and application patching of asp.net based applications.
- Installation and configuration of IIS 7.5/8.5.
- Providing 24/7 on call support on a rotating schedule.
- Worked on SSL certificate installation and renewal process.
- Worked on new server builds.
- Active participation in incident management, Problem management and change management activities.
- Participated in annual Disaster Recovery (DR) tests. Good knowledge on ZERTO replication.
- Taking SQL backups and restoring backups.
- Ran SQL traces using SQL server profiler tool as part of troubleshooting issues.

- Troubleshooting of severity high, medium and low issues within SLA.
- Configuration of Website properties like Application Pool, Default Page, .Net Framework, Virtual Directory etc.
- Involved in troubleshooting production outages.
- Worked on load balancer distributed session on F5 BigIP.
- Continuous monitoring of ticketing tool and resolving assigned tickets.
- Daily health checkup of servers for services/memory/CPU and disk space.
- Analyzing HTTP Error Logs and identifying potential issues with computer systems.
- Troubleshooting day-to-day problems related to Servers, Websites and Database Connectivity etc.
- Backup and restore of websites and Virtual Directories.
- Coordinating with developers, QA teams and vendor for problem resolution.