Aathira Puthenpurayil

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Passionate and dedicated professional with a Master of Science in Data Analytics and over 2.7 years of hands-on experience as an Associate Software Developer, specializing in Python at UST. Skilled in data analysis, statistical modeling, and data visualization.Seeking to leverage strong analytical skills and technical expertise in a data analyst role.

SKILLS:

- **Programming Languages:** Python, R, SQL, Java
- **Databases:** MySQL,MongoDB, Oracle
- **Data Analysis:** NumPy, Pandas, SAS Studio, Statistical Analysis, Time Series Analysis
- **Data Visualization:** Tableau, PowerBI, Matplotlib, Seaborn
- **Tools:** MS Excel (VBA), Spreadsheets, SAS Enterprise, Jupyter Notebook, Kaggle, Visual Studio, GitHub, PyCharm, BitBucket
- **Machine Learning:** Forecasting, Modeling, Predictions
- **Big Data Technologies:** ETL, Data Cleaning, Data Processing, Feature Engineering
- **Soft Skills:** Storytelling, Public Speaking, Presentation, collaboration, Communication, Attention to Detail, Teamwork, Adaptability, Research, Problem Solving

WORK EXPERIENCE:

2020-02 - 2022-09

Associate Software Developer (Python, Automation)

UST , Trivandrum, Kerala

- Implemented automated API testing with Python scripts, reducing testing time per feature from 10 hours to 1 hour, resulting in 90% improvement in testing efficiency and accelerated software development.
- Utilized Python libraries for data analysis, driving actionable insights and strategic decisions, leading to15% revenue increase and 20% boost in customer satisfaction scores.
- Engineered scalable storage solutions across platforms like CVO, Fusion, and Keystone, achieving 30% reduction in infrastructure costs and 25% increase in system reliability for NetApp projects.

2019-07 - 2019-10

JAVA Full Stack Trainee

UST, Trivandrum, India

- Attained proficiency in core Java and web development, enhancing project efficiency by 20% through effective use of server-side frameworks like Spring and Hibernate.
- Proficiently managed MySQL, Oracle, and MongoDB databases, reducing data retrieval time by 15% and streamlining data handling processes.
- Application of acquired skills led to 20% increase in project efficiency and15% reduction in development time, facilitating faster delivery of high-quality software solutions.

EDUCATION:

2022-09 - 2024-01

Master of Science: Data Analytics (Distinction)

De Montfort University - Leicester, UK

- **MSc Thesis :**Inbound Tourism Data Analysis and Forecasting in the UK (85)
- **Key Courses :** Statistics (84),Business Intelligence Systems' Concepts & Methods (70),Data Warehouse Design & OLAP (82),Research Methods (80),Analytics Programming (62),Big

Data Analytics (78),Business Intelligence Systems Applications & Development (80),Data Mining, Techniques & Applications (70)

2015-08 - 2019-08   **Bachelor of Technology: Computer Science Engineering**

Sahrdaya College of Engineering And Technology - Kodakara,Thrissur

- Graduated with Distinction, Overall CGPA: 7.82

PROJECTS:

- **MSc Thesis** - Inbound Tourism Data Analysis and Forecasting in the UK: Insights and Predictions.
- **Research Proposal** - Utilizing Data Analytics for Small Businesses to stay ahead of inflation.
- **Tableau(Data Visualization)** - Cancer waiting time for bed occupancy.
- **Kaggle(Big Data)** -Titanic survival prediction & UK police dataset crime analysis.
- **Ms Excel(Business intelligence)** - Forecasting on NHS Bed occupancy rate and cancer waiting time.
- **Oracle(SQL)** -Data Mart for Midlands Theatre company.
- **SAS Enterprise(Data Mining)** -Framingham cardiovascular disease dataset model prediction.
- **SAS Studio(Statistics)** - Statistical analysis on guided learning hours for sixth form and further education colleges.
- **Undergraduate Thesis** - Smart Shopping Trolley System using IOT.

CERTIFICATIONS:

- **Google Data Analytics Certification** - Coursera (Online) - June 2024
- **Accenture North America Data Analytics and Visualization Job Simulation on Forage -** May 2024
- **Quantium Data Analytics Job Simulation on Forage -** May 2024
- **Python Full Stack Certification** - Faith Infotech Technopark, Trivandrum - Feb 2020 .
- **JAVA Full Stack Certification** - Indian institute of Hardware Technologies Limited - 11th July 2019 to 14th october 2019.
- **Mobile Making and Virtual Reality Certification** - ITC IIT,Mumbai -18th March 2018.
- **NPTEL IOT Elite certification** - scored 80%.
- **Google digital garage certification** - 7th November 2018.
- **Cambridge English Entry Level Certification** - Business preliminary **-** May 2019.
- **IELTS Certification** - March 3rd 2022.

PERSONAL INTERESTS:

- **Continuous Learning:** Reading papers and blogs related to data analytics to stay up-to-date with the latest trends and advancements.
- **Cooking:** Experimenting with new recipes to develop skills in following instructions and attention to detail.
- **Photography:** Capturing images to express creativity and enhance attention to detail.
- **Traveling:** Visiting new destinations and experiencing different cultures to develop planning and organization skills.

REFERENCES:

References available upon request.