

Sachin Sasidharan Nair

Edinburgh, Scotland | +44 7752-420534 | [LinkedIn](#) | [Github](#)

EDUCATION

Heriot-Watt University
Master of Science, Data Science

Edinburgh, Scotland, UK
Expected Graduation: May, 2024

Kristu Jyoti College Of Management And Technology
Bachelors in Computer Applications

Kottayam, Kerala, India
GPA: 6.86

PROJECTS

- **Sentiment Analysis on Code-Mixed Data (Python, NLTK and Tensorflow)** - Implemented a comprehensive Sentiment Analysis project on Code-Mixed Data, delving into the intricacies of sentiment in multilingual programming settings. Utilised Python with NLTK for advanced Natural Language Processing tasks, along with additional technologies like TensorFlow for machine learning, to efficiently process and analyse sentiment expressed in diverse languages.
- **Disease Prediction using Machine Learning (Python)** - Developed a Disease Prediction system using Python, focusing on the use of Random Forest and Decision Tree for classification. This system analyses a detailed dataset of diseases and symptoms for accurate health outcome predictions.
- **Used-Car Price Prediction using ML and Convolutional Neural Networks (Python, Tensorflow and Keras)** - Developed a predictive model for used-car pricing using Machine Learning (ML) and Convolutional Neural Networks (CNN) in Python, integrating image analysis with traditional data to enhance accuracy and provide comprehensive market value estimations.
- **Traffic Congestion Map Poster (PostgreSQL, PostGIS and QGIS)** - Created a traffic congestion map using PostgreSQL, PostGIS, and QGIS that displays the average speed of buses in every datazone and identifies the most heavily congested street in Edinburgh, which also happens to be the street with the highest number of bus stops and journey intersections.
- **Coronavirus Visualisation (HTML, CSS, JS and D3.js)** - Developed an interactive web-based analysis of COVID-19's global spread and vaccine impact using HTML, CSS, JS, and D3.js, highlighting correlations between nations' economic statuses, geographical positions, and pandemic responses.
- **Education And Crime Visualisation (HTML, CSS, JS and D3.js)** - Crafted a dynamic web application to analyse the relationship between educational attainment and crime rates in the US, employing HTML, CSS, JavaScript, and D3.js. This project provided an in-depth, data-centric view of the interplay between education and crime dynamics.
- **File Size Distribution Analysis in Internet Networks Using Pareto Model (R and RStudio)** - Conducted a statistical analysis of file sizes transmitted over internet networks using R and RStudio, applying the Pareto model. Employed both maximum likelihood estimation and the method of moments for accurate model fitting.

WORK EXPERIENCE

Infosys Limited
Test Engineer

Trivandrum, Kerala, India
April 2022 - December 2022

- Led QA team, managed daily stand-up calls, and updated clients with testing status.
- Automated 100+ test cases using Selenium with Cucumber framework and have sound knowledge on Junit, TestNG, Maven, Bitbucket, Jenkins for continuous integration.
- Offered technical leadership to junior personnel and other team leaders, providing expertise on Selenium with Java and Domain - Warehouse management.

Infosys Limited
Senior Operations Executive

Trivandrum, Kerala, India
April 2021 - March 2022

- Created comprehensive test plans, test scripts, and use cases to support testing objectives.

- Tracked, prioritised, and organised defects with software, working with the development team to facilitate timely corrections.
- Used different test management tools like Zephyr, Jira, and Confluence.

Infosys Limited

Trivandrum, Kerala, India

Operations Executive

July 2019 - March 2021

- Developed a web portal that enabled managers to calculate effort for projects using Angular as the front-end, Spring boot as a back end, and MySQL Workbench to create a database.
- Wrote and executed effective functional tests and carried out exploratory testing to assess application quality.
- Debugged automation flows and kept scripts and test cases updated with current requirements.

LEADERSHIP & INVOLVEMENTS

McDonalds Team

McDonalds, Waverly Bridge, Edinburgh

Crew Member

- Played a crucial role in delivering exceptional customer service within a high-paced environment.
- Developed strong teamwork and communication skills while collaborating with fellow crew members during peak hours.
- Effectively managed stress by prioritising tasks, problem-solving on the fly, and maintaining a positive and solution-oriented mindset.

Ipsos Team

Ipsos, Leith, Edinburgh

Survey Validator

- Validated and verified mystery shopper surveys, ensuring strict adherence to detailed guidelines.
- Administered refunds and reward payments to shoppers with accurately submitted surveys, fostering positive relations.
- Contributed to data quality improvement by identifying and rectifying discrepancies in survey submissions.

Blue DC Project

Infosys Limited, Trivandrum

QA Test Lead

- Led teams in the successful implementation of Blue DC projects for global clients.
- Collaborated with team members to define project goals, allocate responsibilities, and ensure on-time delivery of high-quality solutions.

UTSAV - Cultural Club

Infosys Limited, Trivandrum

Organiser

- Acted as the coordinator for the cultural club named UTSAV 2021, facilitating various cultural activities and events.

DAKSH - IT Fest

Kristu Jyoti College Of Management And Technology, Kottayam

Gaming Competition Coordinator

- Organised gaming competitions and events at KCMT from 2016 to 2019.

Basketball Team

Marthoma Residential School, Thiruvalla

Co-Captain

- Displayed robust leadership abilities while serving as the Team Co-Captain for the school in 2015 and achieved the runners-up position in the interschool basketball tournament.

SKILLS & INTERESTS

Languages: English (IELTS Academic Score of 7.5), Malayalam.

Technical Proficiency: Python, Data Analysis, Data Visualisation, Pandas and NumPy, Matplotlib, scikit-learn, TensorFlow, Keras, NLTK, SQL and NoSQL databases, PostgreSQL/PostGIS, d3.js, HTML, CSS, JS, Jupyter Notebook, Anaconda Navigator, R Studio, QGIS, Statistics, Data Modelling, Data Entry, Overleaf, VS Code, Eclipse, Git/GitHub, Java, Selenium, Cucumber framework, Test Management Tools (Jira, Confluence, and Zephyr).

Hobbies: Reading, Coding Challenges, Photography, Outdoor activities.