

Projects

Resume



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Bharathiraja Muthurajan

researcher in India's top-ranking education institute. Comprehensive knowledge of building data analytics pipelines on on-premise and cloud platforms for real-time descriptive and predictive analytics. Experience includes programming languages like SQL and python and analytics business intelligence tools like Tableau and Power BI. Project management experience collaborating across IT services companies and research labs to deliver on-time and industrycompatible research outputs.

SKILLS

LANGUAGES

SQL (MySQL)

- Markdown

Git

DEVELOPER

- Linux shell
- Jupyter notebook
- Visual Studio Code
- Amazon Web Services
- Microsoft Azure
- **ANALYTICS & BI**

Microsoft Excel Microsoft Power BI

- Tableau Desktop
- **EDUCATION**

GRADUATE STUDIES

IIT MADRAS

Research in traffic state estimation and sensor development Data Science, Image processing, Real-time traffic data

- FH TECHNIKUM WIEN
- MASTER OF SCIENCE Intelligent Transportation Systems, Data Analysis, Sensor

Networks and Distributed Systems, Cloud computing, Programming

PG DIPLOMA

UNIVERSITY OF ST ANDREWS

VCET

Electronics and communication

BACHELORS IN ENGINEERING

SQL, and Python.

EXPERIENCE

IITM

DATA ANALYST (RESEARCH SCHOLAR)

Developed 2 traffic scanners using Wi-Fi and LiDAR sensor

technology with Linux OS and Python. Designed and developed data analytics pipelines for in-house traffic

Migrated previous generation sensor data pipeline consisting of over

sensors with batch and stream processing using Spark, Microsoft

sensor data using descriptive and predictive analytic tools Tableau,

- Operated as the point of contact for 2 industry funded projects,
- Managed 8 field technicians in the maintenance of a total of 590+
- performance using SQL and Tableau. fixes and performance upgrades, improving sensor capture

Certified data analyst with more than five years of experience as a