

## AMULYA R

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Portfolio: <https://amulya-raghunath.github.io/portfolio/>

## SUMMARY

Data Analyst skilled in Power BI, SQL, Python, DAX, and ETL with experience in automation, KPI dashboards, and large dataset analysis. Automated reporting pipelines cutting manual effort by 60% and enhanced processing performance by 35%. Strong foundation in ML and software engineering.

## SKILLS

Power BI, DAX, Power Query, SQL, Python, Pandas, NumPy, Excel, ETL, Star Schema, Git, Jupyter, MySQL, PostgreSQL, Power Automate

## WORK EXPERIENCE

Student Intern — Goodix Technology India Pvt Ltd

*December 2022 – September 2023*

- Improved memory-processing efficiency across multiple platforms, leading to 35% faster execution in reporting tasks
- Created a Python-Pandas-Excel pipeline that cut manual data handling efforts by 60%
- Enhanced validation scripts to increase data accuracy
- Conducted performance tuning & log analysis to enhance system reliability
- Coordinated with cross-functional teams to streamline reporting workflows

Data Science Intern — IC Solutions

*March 2021 – April 2021*

- Cleaned and processed 20,000+ records for ML experimentation and analysis
- Optimized feature-engineering methods improving ML prediction accuracy by 25%
- Built dashboards and visual reports for model insights using Python
- Implemented evaluation scripts, reducing testing time by 40%

Digital Image Processing Intern — AVM Labs

*June 2020 – July 2020*

- Enhanced image-processing pipeline improving speed and clarity by 35%
- Performed transformation & compression of large images using OpenCV & Python

- Built reusable functions to convert and resize images, reducing repetitive efforts by 80%
- Documented model testing workflows for future automation

## PROJECTS

### Fashion Retail BI Dashboard — Power BI

- Analysed 120,000+ retail transactions across customer, product, and region dimensions
- Architected Star Schema & Power Query pipelines, improving refresh speed by 50%
- Executed 20+ DAX measures for KPIs like sales growth, retention, and profit margin.
- Introduced drill-downs and slicers that give stakeholders more business knowledge.

### Library Management System — Spring Boot + MySQL

- Implemented CRUD modules, authentication, and role-based access control
- Created SQL schema improving query performance by 40%
- Built REST APIs enabling seamless book & member management workflows

### Malware Detection System — Python + Machine Learning

- Trained and benchmarked 7 Machine Learning models for malware classification
- Performed feature engineering, boosting model stability & accuracy
- Developed evaluation pipeline to streamline model testing & reporting

### Face Recognition Attendance — Python + OpenCV

- Engineered facial recognition model achieving 80% accuracy
- Executed auto-logging attendance system reducing processing time by 90%
- Added secure login mechanism to prevent proxy attendance

## EDUCATION

M.Tech — BMS College of Engineering | CGPA: 9.7

B.E — Jyothy Institute of Technology | GPA: 8.89

## CERTIFICATIONS

Power BI — Great Learning

## ACHIEVEMENTS

Branch Topper — Information Science Engineering;

Published papers in IJSDR and IJERT