



AMRUTHA MK

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Technical Skills

Languages and DataBases: Python, Java, C++, HTML, CSS, Javascript, R, Pandas, Numpy, SQL, MySQL

Tools and Libraries: Tableau, Jupyter Notebook, Numpy, Pandas, Pytorch, Git

Soft Skills: Analytical Problem Solving, Effective Communication, Strategic Leadership, Collaborative Teamwork

Other Skills: Advanced Excel, Business Analysis, Data Analysis, Customer Acquisition, Linux, AI

Projects

LPU Leave Bot:

(python/Selenium)

- Automated Leave Application System: Developed a **Python-Flask** and **Selenium** bot, reducing leave application time by **60%** and eliminating multiple link navigation. Improved efficiency for **500+ students**, streamlining the process.
- User-Centric Web Interface: Designed a lightweight, intuitive web UI with **HTML**, **CSS**, and **Javascript**, allowing users to apply for leave effortlessly with just ID, password, and leave type.
- Efficient Process Optimization: Eliminated 5+ **redundant** steps by automating form submission, enhancing system accessibility, and improving the leave application process for 200+ students, increasing efficiency by 55%.

Enterprise Data Intelligence System:

(PowerBI/Numpy)

- Advanced Business Analytics System: Innovated a data-driven intelligence system using **Python**, **SQL**, and **Power BI**, providing actionable insights for **5+ companies** and improving operational efficiency by **30%** and profitability by **15%**.
- Automated Data Processing & Trend Analysis: Used **Pandas** and **NumPy** to process large data, uncovering **15+ patterns** and identifying opportunities, resulting in a **20%** revenue boost.
- Real-Time Interactive Dashboards: Developed executive-level **Power BI dashboards**, providing leadership with real-time insights on KPIs and market trends, enabling data-driven decision-making.

Enterprise Data Optimization Suite

(Excel/Python)

- Advanced Data Processing: Devised a business intelligence solution using **Excel (Pivot Tables, VLOOKUP, Macros)**, **SQL**, and **Python (Pandas, NumPy)** to optimize data analysis and reporting.
- Workflow Automation & Efficiency Boost: Automated data cleaning, transformation, and reporting using **Excel VBA** and **Python** scripts, reducing manual effort by over 60% and improving accuracy.
- Impactful Business Insights: Architected interactive **Excel dashboards** and **SQL analytics**, enabling **5+ organizations** to make data-driven decisions, improving decision-making speed by **25%**.

Awards & Achievements

Top Presenter

- Awarded Top Presenter at an HR Seminar for delivering impactful insights on Leadership and Organizational Behavior Trends.

Outstanding Leadership Recognition

- Honored as Outstanding NSS Leader for spearheading high-impact community service projects, driving social change, and inspiring volunteer engagement.

Excel Specialization Certification

- Completed Excel Specialization on Coursera, mastering data analysis, pivot tables, and automated workflows to optimize data-driven decision-making.

Education

Lovely Professional University

BTech. Computer Science and Engineering

Chalavara Higher Secondary School

Computer Science, Physics, Chemistry, Mathematics

Aug 2022 – May 2026

Jalandhar, Punjab

Apr 2020 – May 2022

Chalavara, Kerala