# Mohd Rizwan
## Data Scientist

✉ **G-Mail**          ☏ **Portfolio**          in **Linkedin**          ◯ **GitHub**

**Driven and detail-oriented B.Tech student specializing in Data Science**, proficient in developing innovative solutions to complex problems. Skilled in **machine learning, data analysis, and scalable application development**, with a strong commitment to **leveraging technology for impactful results**.

## Internship Experience

### Software Developer Intern
**Shivoham Techno Services Pvt. Ltd.** | *Delhi, India* | *July 2024*
*Duration: 1 Month*

- Improved **workflow efficiency by 20%** by contributing to the **geo-fencing** feature of the thermal imaging camera's image sorting system.
- Developed a **YOLOv5-based Safety Helmet & Shoe Detection System**, achieving **89% accuracy** in real-time object detection for safety compliance.
- Designed and deployed a **dynamic dashboard** for **Busbar Temperature Monitoring** using **Electron** and **Flask**, reducing response time by **25%** and enhancing data visualization.
- Increased **system reliability by 15%** by collaborating on the integration of sensors and systems.
- Contributed to the successful completion of **3 high-impact projects** through close collaboration with the R&D team, optimizing real-world software solutions.

### Data Analyst Intern
**Bharat Intern (Remote)** | *Jan 2024*
*Duration: 1 Month*

- Developed a **machine learning model** for spam message filtering, enhancing **communication security** with a **30% reduction in false positives**.
- Built a **predictive model** on the **Titanic dataset**, achieving **90% accuracy** in predicting passenger survival outcomes.
- Conducted detailed **data analysis and visualization** using **Python** and **Tableau**, providing actionable insights that supported key business decisions.

## Education

**B.Tech in Computer Science (Data Science Specialization)** | *2023 – 2027*
**K.R. Mangalam University**, Gurugram, Haryana

- **Current CGPA**: 9.02
- **In Progress**: Rigorous coursework in **Machine Learning**, **Deep Learning**, **Data Structures and Algorithms**, **Statistics**, **Data Visualization**, **Artificial Intelligence**, and **Database Management Systems**.
- **Extracurriculars**: Actively involved in **Hackathons**, **technical workshops**, and **coding competitions**.

## Major Projects

**Comprehensive Health Analysis and Recovery Assistant |** *2024 – Present*

- Developed a sophisticated **machine learning model** to analyze blood test reports, predict future health issues, and provide actionable health insights.
- Integrated **OCR technology** to extract structured data from scanned PDFs and images, automating data collection for enhanced decision-making.
- Implemented **DVC (Data Version Control)** for streamlined dataset management, ensuring reproducibility and effective collaboration.
- Included a **Collaborative GitHub project** to analyze health-related report data with a colleague, focusing on data cleaning, feature engineering, and predictive modeling to provide health recommendations.

**Employee Management System (EMS) |** *2023*

- Created a **desktop application** using **Python** and **Tkinter** for managing and analyzing **business data**, incorporating **advanced analytics**, **algorithms**, and **data visualization**.
- Enabled business data analysis with features for **employee tracking**, **performance monitoring**, and **payroll management**, improving workflow efficiency by **30%**.
- Integrated **data visualization tools** for **interactive charts**, boosting **user engagement** and providing valuable **insights for decision-makers**.

## Skills

- **Programming Languages**: Python, Java, C++, R, JavaScript
- **Data Science & Machine Learning**: Machine Learning (Supervised & Unsupervised Learning), Deep Learning, Data Preprocessing, Feature Engineering
- **Libraries/Frameworks**: Scikit-learn, TensorFlow, Keras, Pandas, NumPy
- **Data Visualization**: Tableau, Matplotlib, Seaborn
- **Web Development**: Flask, Node.js, HTML/CSS, React (Basics), Electron
- **Database Management**: MySQL, MongoDB
- **Tools & Technologies**: Git, GitHub, DVC (Data Version Control), Jupyter Notebooks, VSCode, Anaconda, AWS
- **Computer Vision**: YOLOv5, TensorFlow (for object detection), Image Processing

## Achievements

- **Certifications**: **Data Analysis**, **Data Visualization**, and **Machine Learning** from **IBM**
- **Publication**: **Chapter published** in a multidisciplinary research book by **Red Shine Publications**
- **Job Offer**: Received an **offer letter** for a part-time position as a **Software and Machine Learning Developer** at **Shivoham Techno Services Pvt. Ltd.** after completing the internship