AMAN YADAV

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SUMMARY

Motivated Computer Science student specializing in Internet of Things with strong expertise in data analytics and machine learning. Proficient in Python, SQL, and data visualization tools (Power BI, Tableau) with hands-on experience in healthcare and e-commerce analytics projects. Skilled in building predictive models and deriving actionable insights from complex datasets. Seeking opportunities to apply analytical and problem-solving abilities to drive data-driven decision-making and business growth.

EDUCATION

Lamrin Tech Skills University Punjab, India

Bachelor of Technology in Computer Science Engineering (Specialization: Internet of Things) *2023 – 2027*

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Web Development, Database Systems, Operating Systems

Sant Param Dayal Higher Secondary School Uttar Pradesh, India

Higher Secondary Certificate (10+2) *Graduated 2023*

TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript, SQL
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Power BI, Tableau, Excel **Machine Learning**: Scikit-learn, Logistic Regression, Random Forest, Clustering Algorithms **Database Technologies**: MySQL, DBMS, SQL Server
Developer Tools: Git, TinkerCAD, Power Point, Canv
IoT Platforms & Tools: Arduino IDE, Blynk, ThingSpeak, TinkerCAD
Communication Protocols: MQTT, CoAP, HTTP, LoRaWAN, Zigbee, BLE, Wi-Fi, RFID

PROJECTS

Healthcare Data Analysis for Disease Prediction | *Python, Scikit-learn, Power BI* 2024

- Developed a predictive analytics model to identify potential disease risks using patient health records and lifestyle data, improving early diagnosis accuracy by implementing machine learning algorithms
- Led end-to-end data pipeline including collection, preprocessing, and exploratory data analysis on healthcare datasets with 10,000+ patient records
- Implemented logistic regression and random forest classification models achieving high prediction accuracy for disease outcome forecasting
- Created interactive Power BI dashboards to visualize disease risk patterns and trends for stakeholders

Smart Waste Management System Using IoT |

- Developed and implemented an IoT-based smart waste management system to optimize collection routes and reduce operational costs by 30%
- Led end-to-end development managing both software and hardware integration using ThingSpeak, Arduino, and C++
- Integrated ultrasonic sensors for real-time monitoring of waste levels with automated alerts for collection teams

CERTIFICATIONS

Deloitte Data Analytics Job Simulation 2024

Microsoft Power BI 2024

Tableau for Data Visualization 2024