AAYUSH TRIPATHI

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EDUCATION

Bennett University, Greater Noida   Sept 2022-Jul 2026
B.Tech. in Computer Science and Engineering

EXPERIENCE

EDF-IN – Data Analyst Intern | Delhi, India   Jun 2024-Jul 2024
- Cleaned and prepared a customer database of 1.6 million entries using Python, achieving a 95% reduction in data errors, and analyzed data using statistical methods with visualizations on Power BI dashboards.
- Utilized SSMS and SQL to manage databases, streamline data entry, and extract specific data for reporting.

SKILLS

Operating System: Windows, MacOS, Linux
Database/Server: My SOL, SSMS, MongoDB
Software/Tools: Cisco Packet Tracer, Apache Netbeans, Logism tool, EDA Playground, Saylor, Mathworks, Visual-paradigm, VS Code, Android Studio, Dev-C++, Power BI, Tableau, MS Excel
Programming Languages: Python, SQL, C++, R Programming, HTML, Java, Dart
Technical Skills: Machine Learning, Deep Learning, Data Visualization, Python (NumPy, Pandas, Scikit-learn, Flask), Statistical Analysis, Database Management

PROJECTS

Caress | Flutter | Dart | Google Services | Android Studio | Machine Learning

- A Flutter-based mental health app integrating Firebase, Flask APIs, and ML models, achieving more than 90% accuracy in app-usage stress predictions and reducing response time to stress alerts by 50%. Implemented features for self-assessment, real-time vitals monitoring, and automated notifications to emergency contacts.

AcademEase | C++ | Dev-C++ | Web application

- A C++-based student record management system with secure user authentication and efficient CRUD operations, reducing data retrieval time by 50%. Implemented persistent data storage and a console-based interface, streamlining record management for educational institutions.

PayEase | Java | Netbeans | DBMS

- A Java-based fees management system on the NetBeans platform, automating fee calculations with 100% accuracy and reducing administrative workload by 40%. Integrated secure payment gateways and real-time reporting features to enhance financial transaction efficiency for educational institutions.

ACHIEVEMENT

Chairperson | Data Science Society | Bennett University

CERTIFICATIONS

- Unsupervised Machine Learning by IBM
- Supervised Machine Learning: Classification by IBM
- Supervised Machine Learning: Regression by IBM
- Deep Learning and Reinforcement Learning by IBM
- The Bits and Bytes of Computer Networking by Google
- Algorithmic Toolbox by UC San Diego
- Google Data Analytics Capstone: Complete a Case Study by Google
- Ordered Data Structures by Illinois
- Introduction to Computers and Operating Systems and Security by Microsoft