

AVNISH KUMAR

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Professional Summary

Aspiring Data Science professional with expertise in Python, SQL, and skilled in Machine Learning, Data Analysis, and Cloud Computing. Experienced in developing innovative projects and leveraging technology for automation and problem-solving.

Education

- **B.Tech in Computer Science and Engineering (Data Science)**
Greater Noida Institute of Technology, Greater Noida | 2023 – 2026
- **Diploma in Digital Electronics**
Ambedkar Institute of Technology, Delhi | 2020 – 2023
- **Class X**
S.K Mother International School, Muzaffarpur, Bihar | 2020

Skills

- **Language:** Python, SQL, HTML, CSS, Basic Java
- **Technical Tools:** Jupyter Notebook, Power BI, VS Code, Git, GitHub
- **Libraries & Frameworks:** Numpy, Pandas

Projects

- **Employee Management System (Nov 2024)**
Developed an Employee Management System in Python with an SQLite database, enabling adding, viewing, updating, and deleting employee records through a CLI interface.
- **Smart Home Security System (Apr 2024)**
Designed a microcontroller-based security system with motion, door/window, and smoke sensors to process data and trigger alarms.
- **Traffic Light System Using Arduino (Jun 2022)**
Created a simulated traffic light control system for automation and smart traffic management.
- **Bio Vision: AI-based Secure and Accurate Visual Expression Analysis System (Sept 2025)**
Created Bio Vision, an AI system that accurately analyzes facial expressions for security and identification.

Certifications

- Introduction to Cyber Security – CISCO (Jun 2022)
- Cybersecurity Essentials – CISCO (Jul 2022)

Academic & Extracurricular Achievements

- Published research paper: *“Fault Diagnosis Algorithm for Power Supply Lightning Protection Online Monitoring System”*.
- Awarded **Best Project** in the department during B.Tech 3rd semester.