

AKASH SHRIVASTAV

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EDUCATION

Master of Technology , National Institute of Technology, Raipur Information Technology	2023-2025
Bachelor of Technology , Chhatrapati Shivaji Institute of Technology, Durg Computer Science and Engineering	2019-2023
Senior Secondary XII , Bharat Mata Hr. Sec. School, Raipur	2019

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, SQL
- **Tools & Frameworks:** PyQt6, Orange, Suricata, Wireshark, Microsoft Office
- **Technologies:** Web Development, Machine Learning, Deep Learning

EXPERIENCE

DATA ANALYST INTERN <i>L&T SERVICES</i>	RAIPUR, Chhattisgarh 05/2021-03/2022
<ul style="list-style-type: none">• Administered databases and led website design projects, ensuring system optimization and functionality.• Developed a scalable ad-serving platform tailored to educational institutions, enhancing the management of online classrooms and improving operational efficiency.	

COMPUTER DATA ENTRY OPERATOR VINAYAK MUSIC WORLD	RAIPUR, Chhattisgarh 10/2020-03/2021
<ul style="list-style-type: none">• Supervised the operation of computer and electronic data processing equipment, ensuring efficient data flow and system performance.• Managed the setup and installation of computer hardware, system software, applications, and user accounts to maintain system integrity and functionality.	

PROJECTS

- **Enhancing Network Intrusion Detection System with Machine learning: A Comparative Study with intrusion Datasets**
Developed and implemented a **Network-Based Intrusion Detection System** using advanced machine learning algorithms, enhancing network security by identifying and mitigating potential threats in real-time.
Optimized NIDS performance by reducing false positives through feature selection and dimensionality reduction techniques, improving detection accuracy by 15% while maintaining low latency in high-traffic environments.
- **ONLINE EXAMINATION SYSTEM:**
Streamlined Examination Management: The Online Examination System simplifies creating, administering, and grading exams, enabling educators to manage assessments efficiently and track student performance.
- **CAR AND BIKE RENTAL SYSTEM:**
Admin Control and Customer Feedback: The system provides administrators with tools to manage vehicle inventory and monitor bookings while enabling customers to leave ratings and feedback, ensuring continuous improvement in service quality.
- **IoT-BASED HYDROPONIC SYSTEM FOR SOLID ESS ORGANIC VEGETABLE FARMING:**
Automated Hydroponic Management: The IoT-based hydroponic system enables efficient soil-less organic vegetable farming by utilizing sensors and computerized controls to monitor and manage nutrient levels, pH, and environmental conditions, ensuring optimal growth for plants.

CERTIFICATIONS

- **Web Development(Intern Shala)**
- **Java (SkillUp)**
- **Tools and Techniques for Information and Cyber Security TICS (NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA)**