ABBU SAIKIRAN

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EDUCATION

Balaji Institute of Technology & Science   Warangal, India
Computer science in Data Science; Pursing   **June 2023 - August 2027**
Govt.Jouner(Co-edu) College   Narsampet, India
Inter; percentage :-64%   **June 2021 - August 2023**

SKILLS SUMMARY

- **Languages**:   Python, SQL
- **Frameworks**:   Pandas, Numpy, Scikit-Learn
- **Tools**:   Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
- **Platforms**:   Jupyter Notebook, Visual Studio Code
- **Soft Skills**:   Strong communication, teamwork, problem-solving, adaptability, time management, and critical thinking skills

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WORK EXPERIENCE

Developer| LINK   **Jan 2025 – Present**
- Designed and developed a comprehensive digital security system focused on threat detection and prevention.
- Implemented AI-based malware detection and real-time intrusion prevention mechanisms.
- Built a secure user authentication and access control system.
- Developed both frontend (Flutter) and backend (Python) using PostgreSQL and MongoDB for data handling.
- Integrated local large language models (LLMs) like LLaMA 2 for an AI-powered chatbot assistant.

PROJECTS

Digital Security System (Cyber.AI)| LINK   **March 2024 – May 2024**

- Achieved **94% accuracy** in intrusion detection using AI-based anomaly detection models.
- Developed AI-powered malware detection with a **92% detection rate**, minimizing false positives.
- Implemented secure user authentication and role-based access control to restrict unauthorized usage.
- Real-time network monitoring and system health dashboard providing instant alerts and analytics.

Chatbot with Local LLM Integration| LINK   **June 2024 – August 2024**
- Developed both console and web-based chatbot interfaces for versatile user access.
- Integrated with Ollama or similar local LLM runtime to run models entirely offline.
- Supported multi-turn conversations with context retention for natural dialogue flow.
- Implemented user authentication and session management to ensure secure and personalized interactions.

Smart Inventory Management System| LINK   **September 2024 – November 2024**
- Achieved 89% accuracy in demand forecasting using ML models, reducing stockouts and overstock situations.
- Provided real-time stock tracking and automated reorder alerts to streamline inventory management.
- Enabled automated purchase order generation based on predictive analytics, improving procurement efficiency.
- Implemented role-based access control for admins and staff, alongside an interactive dashboard with detailed analytics and reports.

CERTIFICATES

Fundamentals of Generative AI | CERTIFICATE   **January 2025**

- Successfully completed the **fundamentals of Generative AI** through the **SAWIT.AI Learnathon** program.
- Program was supported by **Women Techmakers (Google), HCLTech**, and organized by **GUVI** in collaboration with **South Asian Women in Tech**, **AICTE**, and **NASSCOM**

Cyber Security and Ethical Hacking | CERTIFICATE   **June 2024**
- Gained hands-on experience in cybersecurity and ethical hacking concepts.
- Completed a 3-month internship demonstrating dedication, diligence, and practical understanding.

Microsoft Azure AI Fundamentals | CERTIFICATE   **March 2024**
- Acquired foundational knowledge of **Artificial Intelligence (AI)** concepts and Azure AI services.
- Learned how to build intelligent solutions using tools such as **Azure Machine Learning**, **Cognitive Services**, and **Bot Services**.