BUSHRA FIRDOSE

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SUMMARY

Computer Science graduate with hands-on experience in Python programming and AI-driven projects, complemented by foundational knowledge in software development, database management, and cybersecurity. Aiming to leverage technical skills in Python, Java, problem-solving abilities, and a passion for AI innovation to contribute to dynamic tech teams while expanding expertise in machine learning and software solutions.

TECHNICAL SKILLS

- Skills: Python, Java, C, C++, JavaScript, HTML, CSS, React (Basics), SQL, MySQL
- Tools/Frameworks: Tableau, Power BI, Git, TensorFlow, Flask, Arduino IDE
- Other: APIs, Data Analytics, Automation.

PROJECTS

ATOM - AI Assistant (System controller) - Self Developed.   Jan 2025 - Feb 2025

- Developed ATOM, a Real Steel-inspired voice-activated AI assistant using Python, Groq, and Cohere APIs for NLP and real-time responses. Built a modular backend with Selenium, edge-tts, and PyQt5 GUI. Designed architecture, integrated APIs, and planned offline enhancements, delivering an innovative, privacy-focused AI solution.

Smart Home Automation System   Aug 2023 - Sept 2023

- Developed a home automation system that allows users to control electrical devices via voice commands using Arduino and Bluetooth technology.
- Software Requirements: Arduino Bluetooth, Arduino IDE Software.
- Hardware Requirements: Arduino UNO, HC-05 Bluetooth Module, So on.

IOT ON FIRE ALERTING SYSTEM USING ARDUINO AND SIM900A   Sept 2024 - Nov 2024

- Cost-effective fire detection system utilizing Arduino for flame sensing and SIM900A for call alerts, enhancing fire safety.

EDUCATION

Masters of Computer Applications   Pursuing - Dec 2025
Seshadripuram College Tumakuru. │ CGPA : 7.75

Internship – IIT Guwahati (E&ICT Academy x Coding Ninjas)   Pursuing - Dec 2025
Student Training Program in Data Analytics

Bachelor of Computer Applications   June 2020 - Sept 2023
Sree Siddaganga College of Arts, Science, Commerce │ CGPA : 7.68

CERTIFICATIONS

- **Artificial Intelligence, Machine Learning, Digital Marketing, MS PowerPoint and Power BI**
- **Full Stack Development** - Java in ATAS (Alpha Tech Academy)
- Certification of Participation of IDE **Bootcamp in NITK**
- Certification of **Excel** and **Python** from DELL.

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Kannada, Urdu, Arabic
- **Soft Skills:** Leadership, Communication, Teamwork, Time Management, Adaptability.
- **Job Simulations**: Deloitte Australia - Data Analytics, and Technology from **Forage**