

BHARTI KUSHWAHA

Python & Java Developer | Backend Automation | Speech & System Tools

B.Tech Computer Science Engineering, Jaypee University of Engineering and Technology, Guna

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🌐 [GitHub](#) | [LinkedIn](#)

CAREER OBJECTIVE

Enthusiastic Computer Science undergraduate with hands-on experience in **Python and Java development**, backend automation, and speech-driven app interfaces. Skilled in building efficient tools using **PowerShell, SQL, and Java**, with strong foundations in **DSA, OOP, and DBMS**. Eager to contribute to dynamic development teams in backend or full-stack roles.

SKILLS

Languages: Python, Java, C/C++, SQL, JavaScript

Frameworks/Tools: Spring Boot (learn basics), Node.js, Git, GitHub, PowerShell, Android Studio

Technologies: REST APIs, Speech Recognition, Whisper AI, TensorFlow

Database: MySQL, SQLite

CS Fundamentals: OOP, Data Structures & Algorithms, Operating Systems, DBMS

PROJECTS

SpeakBoard – Hands-Free Typing App *(Python, Java, Whisper AI)*

Ongoing – 25

- Developed an offline Android speech-to-text application with **voice command features** for real-time hands-free control.
- Integrated **Whisper and TensorFlow** for multilingual and context-aware typing with **emoji and predictive suggestions**.
- Technologies used: **Java, Python, Whisper AI, Android SDK, TensorFlow, SQLite**
- Achieved **95%+ speech accuracy** in offline mode with Whisper AI.
- Built using Java (Android frontend) and Python (speech engine backend).

WinBoost – Windows Debloater Tool *(PowerShell, Registry Editor)*

2024

- Engineered an automation tool to clean and optimize Windows OS by removing bloatware, disabling unwanted features, and enhancing system performance.
- Scripted core functionalities using PowerShell: Start Menu cleanup, WSL setup, Taskbar tweaks, and Windows Update resets.
- Stack: **PowerShell, Windows Registry, WSL, Git**
- Improved boot time and bandwidth allocation efficiency through registry editing and system tuning.
- Reduced system boot time by **30%** using WinBoost optimization

WORK EXPERIENCE

Software Developer Intern | Self-Driven Projects

2024 – Present

- Built multiple production-ready tools simulating real-world backend and system utility development.
- Collaborated via GitHub, tracked issues, and followed agile development practices individually.

CERTIFICATION

- 📜 **HackerRank Python (Intermediate)** – Focused on Python syntax, control flow, functions. [Certificate](#)
- 📜 **HackerRank Problem Solving** – Proficient in algorithms, arrays, sorting [Certificate](#)
- 📜 **Infosys Springboard** – Python Foundation Certificate

EDUCATION

- **B.Tech in Computer Science Engineering** - *Jaypee University of Engineering and Technology, Guna* / 6.9 CGPA (Current) / 2022–Present
- **Class XII (CBSE)** – *Kendriya Vidyalaya Asansol* / 83% / 2022
- **Class X (CBSE)** – *Kendriya Vidyalaya Asansol* / 95.1% / 2020

COMPETITIONS & ACHIEVEMENTS

- Solved **150+ DSA problems** on Leetcode
 - Participated in **Eurogrip TORQ Challenge 3.0**, showcasing **problem-solving and teamwork** skills under pressure
[Certificate](#)
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EXTRA-CURRICULARS & INTERESTS

- **Hobbies:** Photography, Singing, Traveling, Sketching
- **Soft Skills:** Leadership, Flexibility, Time Management, Team Collaboration