

Ayush Bajpai

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EDUCATION

G.L. Bajaj Institute of Technology and Management	2022 – 2026
<i>B.Tech in Artificial Intelligence and Machine Learning (First Division with Distinction)</i>	<i>Greater Noida, India</i>
CBSE, Class XII – 85.6%	2021 – 2022
CBSE, Class X – 85.6%	2019 – 2020

EXPERIENCE

Business Analyst Trainee	Aug 2026 – Present
<i>SYMB Consultancy Services Pvt. Ltd.</i>	<i>New Delhi (Hybrid)</i>
<ul style="list-style-type: none">Created and triaged 20+ Jira tickets for bugs, tasks, and change requests with steps to reproduce, severity, and expected vs. actual results; tracked each to closure.Performed manual testing across 3 projects; logged 15+ bugs and improvement suggestions with screenshots and logs and verified fixes through regression retesting.Authored BRDs, FRDs, and PRDs that translated stakeholder needs into clear requirements and acceptance criteria.Conducted competitor analysis and summarized findings to support product decisions.Used AI tools to speed up documentation, test-case drafting, and research, with manual review for accuracy.Reported status and blockers to managers and cross-functional teams in an Agile workflow.	

PROJECTS

IoT Air Quality Monitoring System <i>ESP32, Wi-Fi, MQTT, Arduino IoT Cloud, C/C++</i>	Team of 3
<ul style="list-style-type: none">Built an ESP32-based monitor that sends air-quality, temperature, and humidity readings to Arduino IoT Cloud over Wi-Fi using the MQTT protocol, with updates every 10 seconds for 24/7 remote monitoring.Added retry and reconnect logic for invalid sensor readings, Wi-Fi drops, and cloud connection failures to keep data flowing reliably.Configured cloud dashboards and mobile widgets (gauges, graphs) for real-time and historical data, designed for under 2 seconds of end-to-end latency.	
Auto Brightness Windows <i>Python, OpenCV, NumPy, Tkinter, Threading</i>	GitHub
<ul style="list-style-type: none">Built and shipped a Python system-tray app and Windows executable that adjusts screen brightness from the camera feed on devices without native auto-brightness.Used OpenCV to estimate ambient light in real time, reducing manual brightness adjustments by ~90%.Implemented multithreading, structured logging, and error handling for fast diagnosis of runtime failures; published open source (MIT) with install and usage steps in the README.	

TECHNICAL SKILLS

Support & Process: Jira Ticketing, Bug Reporting, Defect Lifecycle, Manual Testing, Troubleshooting, Root Cause Analysis, BRD/FRD/PRD, Agile/Scrum
Systems: Linux (CLI), Operating Systems, Logging & Debugging, REST APIs, Postman
Languages & Data: Python, SQL, MySQL, C, C++
Tools: Git, GitHub, AI Tools
Fundamentals: Data Structures & Algorithms, OS, OOP, DBMS, SDLC

LEADERSHIP & ACHIEVEMENTS

- Design & Media Team Lead**, departmental club: delivered 50+ digital assets with 100% on-time delivery.
- Led 10+ robotics events end to end, overseeing planning, scheduling, and design.
- Coached a semi-finalist at the National-Level India College Chess Championship hosted by chess.com.