


# KUSHAGRA GUPTA

BTech CSE'26 Student | AI Specialization

 Portfolio

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 Jaipur, India

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 github.com/SpyBeast07

 /spybeast

## EDUCATION

July 2025- Ongoing	<b>BTECH, COMPUTER SCIENCE</b> IIIT Hyderabad   Semester Exchange Student For Semester 7
August- Dec. 2023	<b>BTECH, COMPUTER SCIENCE</b> IIT Gandhinagar   Semester Exchange Student For Semester 3
2026	<b>B.TECH - CSE (AI Specialization)</b> JK LakshmiPat University   Jaipur   7.6 CGPA

## TECHNICAL SKILLS

<b>Programming</b>	Java, C++, Python
<b>Frameworks/ Tools</b>	MERN Stack, Cypress, NumPy, pandas, matplotlib, PyTorch, Git, Docker, LaTeX
<b>Concepts</b>	DSA, OOP, Statistical Analysis, Machine Learning, Deep Learning
<b>Soft Skills</b>	Communication, Team Management, Coordination, Analytical Problem- Solving

## EXPERIENCE

May 2025 - July 2025	<b>Full Stack Developer Intern at Dobby Ads</b> Engineered and deployed 2 MERN-based web applications, enhancing client workflow efficiency. Designed and automated 30+ Cypress test cases, reducing post-release bugs by 25% and regression testing time by 40% improving release stability. Created real-time monitoring dashboards in Prometheus and Grafana, enabling API performance tracking and reducing incident resolution time by 20%.	<b>MERN, Cypress, Prometheus, Grafana</b>
May 2024 - July 2024	<b>Android Development Intern at Vedic Bodhi Pvt. Ltd.</b> Integrated Firebase for secure user authentication. Implemented REST APIs to fetch real-time data, improving app responsiveness.	<b>Kotlin, Android Studio</b>

## PROJECTS

2025	<b>Vehicle Number plate detection and recognition using custom CNN and EasyOCR</b> Designed a CNN architecture for plate detection, experimenting with 5+ variations to optimize accuracy and speed.	<b>Deep Learning</b>
2025	<b>Comparative Analysis and Sustainable Solutions for E-Waste Management in Emerging and Developed Economic Countries</b> Analyzed 15+ datasets from emerging and developing economies; proposed scalable waste reduction strate- gies proposing sustainable and scalable solutions in a academic reports.	<b>Python, Statistics</b>
2025	<b>Enhanced Malware Detection using AI (Ongoing Research Paper)</b> Engineered an AI-based malware classifier achieving 90%+ detection accuracy in controlled lab tests. Analyzed network packets for malware patterns and built predictive models for early threat identification.	<b>Python, Wireshark, Docker, and SEED Lab</b>
2025	<b>Spardha - College Sports Fest Website</b> Collaborated with a team of 3 to develop the official Spardha website. Built responsive UI with 5+ interactive features; deployed via Vercel on the college's domain with optimized load time under 2s.	<b>HTML, CSS, JS</b>
2023	<b>Windmill: Swift Blades</b> Created an adjustable-blade windmill design reducing storm damage potential by 30% through blade retraction mechanics. Specialities - Sliding blades and pole, to reduce the length, thus decreasing the tension produced.	<b>Arduino Nano, Robotics, Automation</b>
December 2022	<b>Data Analysis using python</b> Modeled renewable energy adoption trends in India on SDG goal 7 (Clean and affordable energy) data, gen- erating insights used in 1 university research presentation.	<b>Statistics, Python, Machine Learning</b>

## EXTRA-CURRICULAR

	<b>Hackathon</b>	<b>Event</b>
March 2025	• HackJKLU4.0   Urban Shield   Police Patrolling Optimization System   Machine Learning, Clustering, A* Algo- rithm, Flask, Pandas, Scikit-learn, HTML	
March 2024	• HackJKLU3.0   Music Web Application   Web2	
April 2023	• HackJKLU2.0   RenPy Visual Novel Engine   Story based game   Python (Flet), HTML, CSS, JS, Renpy	

## CERTIFICATES AND ACHIEVEMENTS

July 2023	<b>Alpha (DSA with Java) - Apna College</b> Completed 200+ DSA problems and implemented optimized solutions for competitive programming.	<b>DSA</b>
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