

# Ojasvee Gupta

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## Summary

Aspiring software developer with a strong foundation in OOPs, Data Structures and Algorithms, DBMS, Machine Learning, Operating Systems, Software Engineering, and REST API development. Seeking to leverage skills in Node.js, React.js, and Javascript to build scalable, impactful software solutions.

## Education

<b>Pranveer Singh Institute Of Technology   Kanpur, Uttar Pradesh</b>	Dec 2022 – Jul 2026
B.Tech in Computer Science And Engineering   Aggregate: 73%	
<b>City Montessori School   Lucknow, Uttar Pradesh</b>	Apr 2021 - Mar 2022
12th   Aggregate: 89%	
<b>City Montessori School   Lucknow, Uttar Pradesh</b>	Apr 2019 - Mar 2020
10th   Aggregate: 87%	

## Skills

**Languages:** Python, C++ , C.

**Web Development:** HTML/CSS, JavaScript, React.js, Node.js.

**AI/ML Tools:** TensorFlow, PyTorch, Scikit-learn, NLP (BERT/GPT), LLMs, FastAPI.

**Databases:** MySQL, MongoDB, SQLite, Oracle.

**Tools & Platforms:** Git, GitHub, Postman, Jupyter Notebook, VS Code, Flask.

## Projects

<b>Lumipsyche: Mental Health Detection</b>	May 2025 - Present
<i>Tech Stack:</i> Python, BERT, Scikit-learn, Flask, Google Cloud, SQLite.	
<ul style="list-style-type: none"><li>Achieved 85% accuracy in anxiety/depression detection using fine-tuned BERT on social media text.</li><li>Engineered multi-class classification to identify 5+ mental health conditions beyond anxiety/depression.</li><li>Deployed Flask API on Google Cloud handling 50+ concurrent users with &lt;1s latency for real-time alerts.</li><li>Automated NLTK text preprocessing pipeline, reducing false positives by 15%.</li></ul>	
<b>AI-Powered Elderly Care System</b>	Dec 2024 - Mar2025
<i>Tech Stack:</i> Python, Flask, TensorFlow, SQLite, OpenAI APIs, Google Cloud.	
<ul style="list-style-type: none"><li>Built 3 autonomous agents for health reminders and emergency alerts.</li><li>Integrated Twilio API triggering SMS alerts within 8 seconds of abnormal heart rate detection.</li><li>Architected SQLite database enabling 0.3s query response for patient history across 500+ records.</li><li>Added fall detection using accelerometer data with 92% true positive rate.</li></ul>	
<b>AI Virtual Mouse</b>	Sept 2024 – Nov 2024
<i>Tech Stack:</i> Python, OpenCV, MediaPipe.	
<ul style="list-style-type: none"><li>Developed an OpenCV/MediaPipe hand tracker recognizing 11 gestures at 30 FPS on i5 processors.</li><li>Added custom gesture training module allowing users to define new commands (15+ custom gestures supported)</li><li>Achieved 90% accuracy in real-time cursor control via 11 predefined gestures.</li><li>Optimized PyAutoGUI, reducing RAM usage by 48% through efficient event queue management.</li></ul>	

## Certification

**AWS Cloud Practitioner Essentials** Amazon Web Services  
**AI with Agentforce Champion** Salesforce Trailhead  
**Career Essentials in Generative AI** Microsoft and LinkedIn  
**Python, HTML, JavaScript, CSS, and Bootstrap Certification** Infosys Springboard  
**Operation Job Simulation** Goldman Sachs

## Achievements

- HackerRank Gold Badge in Python; reduced code review loops by 20%.
- Solved 250+ DSA problems on *LeetCode*, *GFG*, and *HackerRank*.
- As Event Manager of *Navrang Club*, increased event participation by 70%.
- Completed *Infosys Springboard's* Cohort 3 Pragati Program, gaining hands-on expertise in AI, soft skills, leadership, and career readiness through industry mentorship and collaborative projects.