

ANSHUL RATHEE

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SUMMARY

Software Developer Engineer at **i2V Systems Limited** with expertise in **C++**, **Python**, **C#**, and **AI/ML**. Experienced in **VMS development**, **WPF**, and **database management**, delivering scalable and efficient software solutions. Skilled in **Generative AI** and **Machine Learning**, leveraging automation to enhance workflows by 30% using tools like **ChatGPT**. Passionate about solving **complex real-world problems** through **high-impact projects** in Intelligent Systems and Software Engineering.

EDUCATION

Bachelor of Technology in Computer Science and Engineering <i>Dr. A. P. J. Abdul Kalam Technical University, Lucknow</i>	83.08% 2021 - 2025
Intermediate <i>Central Board of Secondary Education, New Delhi</i>	81.00% 2021
Matriculation <i>Central Board of Secondary Education, New Delhi</i>	88.89% 2019

PROFESSIONAL EXPERIENCE

i2V Systems Limited <i>SDE</i>	Sept 2024 - Present <i>Gurugram, Haryana, IN</i>
<ul style="list-style-type: none">Working as part of VMS (Video Management System) team to develop and enhance features related to video management and security solutions.Played a key role in converting a VMS application to a dark theme and solving critical bugs of the application, contributing to 60% of the implementation and enhancing the overall user experience.Collaborated on the successful delivery of the enhanced application, showcased at Intersec, 2025 at the Dubai World Trade Centre.Technologies used: C#, XAML, HeidiSQL, WPF Framework.	

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Python, C#, XAML, HTML5, CSS3
Framework: WPF
Databases: MySQL, MongoDB, HeidiSQL
Development Tools: Git, GitHub, Visual Studio, VS Code, Code::Blocks, Figma, Google Colab, Jupyter Notebook
Core Competencies: Data Structures, Operating Systems, OOSD, DBMS, Cloud Computing
Areas of Interest: Software Engineering, Artificial Intelligence, Machine Learning

PROJECTS

- Touchless Tech** (*Python, MediaPipe, Gemini, Speech Synthesis, NLP, Eel, JavaScript*)
- Developed a real-time **gesture-driven** (MediaPipe) and **voice-enabled** (Gemini AI) system for touchless desktop interaction.
 - Attained **96.5%** accuracy in **gesture** and **95.8%** precision in **voice commands** for smooth, contact-free system control.
- Handwritten Digit Recognition using MNIST** (*Python, OpenCV, Keras, TensorFlow, Pygame, Pytsx3*)
- Built a model achieving **98%** accuracy in **recognizing** and **vocalizing handwritten digits** in under **50ms** per prediction.
 - Included data preprocessing, dimensionality reduction, classifier evaluation with **Regression** and **Neural Networks**.
- Autism Detection Model for Early Childhood Screening** (*SVM, Matplotlib, Seaborn, Jupyter Notebook*)
- Developed an **SVM** model to detect potential signs of autism in children (ages 0-3), achieving **93%** accuracy.
 - Presented findings at **Health-A-Thon, Lloyd College of Pharmacy, Greater Noida, 2023**.

ACHIEVEMENTS

- Ranked in the **top 15% on LeetCode** with a peak rating of 1665 and 950+ problems solved.
- Led coding events as **Secretary of HexClan Coding Club**, collaborating with Unstop and engaging 1000+ participants.
- Secured **1st Runner-Up** in the 24-hour **Code-A-Thon** at LIET, 2023.
- College Topper** in 5th and 7th Semester University Exams.

CERTIFICATIONS & ACHIEVEMENTS

- Cisco Networking Essentials Certification
- Google IT Automation Course with Python
- IBM Certification in Data Science Methodologies