

# Harshit Harlalka

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## EDUCATION

SRM Institute of Science and Technology

Computer Science and Engineering with Artificial Intelligence and Machine Learning

May 2027

(CGPA: 9.76)

## EXPERIENCE

**SentientLens** | [\[Link\]](#)

January-2025 – Present

SRM Institute of Science and Technology

Chennai, TamilNadu

- Built an AI platform for text emotion detection, video-to-text, and speech-to-text transcription.
- Integrated multilingual sentiment analysis and an AI chatbot using Gemini and Whisper.
- Enhanced real-time speech processing and video analysis improving accessibility for 1000+ users.

**SRM EEE Vlabs** | [\[Link\]](#)

March-2024 – July-2024

SRM Institute of Science and Technology

Chennai, TamilNadu

- Developed a FullStack virtual laboratory platform for the Electrical Engineering Department, embedding a circuit simulator with Logic Gates (AND, OR, NOT).
- Firebase to store user data, enabling efficient management for over 200 users.

## PROJECTS

**DiagnoseDoc** | *Python, Flask, TensorFlow, Keras, Git, Github* | [\[Link\]](#)

December 2024 - Present

- Built a healthcare website integrating ML models (VGG-16) to detect diseases with 99% accuracy.
- Provides WHO-approved diet plans, yoga routines, and personalized health recommendations.
- Assisted 90% of users for early diagnosis and preventive care.

**AlgoVault** | *React, Node, Express, MongoDB, Git, Github* | [\[Link\]](#)

December 2024 - Present

- Engineered AlgoVault, a comprehensive DSA platform featuring a secure vault, attracting 50+ users.
- Implemented two-factor authentication using email verification and OTP for enhanced security.
- Enabled users to upload, delete, update, and bookmark codes, save notes, and write blogs.
- Streamlined DSA learning, fostering code sharing and collaboration among developers.

**TollMate** | *Python, Flask, Google Cloud Console* | [\[Link\]](#)

June 2024 - Present

- Developed a GPS-based toll system with Flask, handling 1,000+ toll calculations daily.
- Designed a distance-based toll algorithm, improving pricing accuracy by 30%.
- Integrated Google Maps API, enhancing navigation efficiency by 25%.
- Optimized data processing with NumPy and Pandas, improving speed by 20%.

**JavaBite** | *Java* | [\[Link\]](#)

June 2024 - Present

- Engineered a comprehensive Restaurant Management System in Java, enhancing order processing efficiency by 40% and enabling real-time inventory tracking, which streamlined operations for over 50+ restaurants across the region.

## ACHIEVEMENTS

- Placed in the top 38.75% globally in LeetCode Weekly Contest 435 (Rating: 1517) and Codeforces Contests (Rating: 893).
- Solved 600+ problems on platforms like Codeforces, Leetcode and HackerRank.
- Earned Microsoft Azure AI Fundamentals Certification.
- Recognized by SRM Institute of Science and Technology Dean for developing a circuit simulator.

## SKILLS

**Languages:** Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS, Tailwind CSS

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase

**Frameworks:** Next.js, React, Node.js, Express.js, Flask

**Developer Tools:** Git, Github, Google Cloud Platform, Vercel, Render, PyCharm, VsCode

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, Scikit-Learn, Keras