


HANISH KUMAR S

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PROFESSIONAL SUMMARY

AI/ML Engineering student with hands-on experience building 5+ production-ready applications and contributing to peer-reviewed research in computer vision. Winner of IIT Madras Innovation Challenge (1st place among 500+ participants). Specialized in full-stack AI development, 3D web interfaces, and micro expression analysis, with a proven track record of translating innovative ideas into scalable tech solutions.

EDUCATION

- **SRM Institute of Science and Technology Kattankulathur** June 2023 - June 2027
◦ Computer Science and Engineering (CSE) with a specialization in Artificial Intelligence and Machine Learning (AI&ML) Chennai, India
GPA: 9.74/10.00
- **Nalanda Vidya Niketan** May 2023
◦ Class 12 CBSE Vijayawada, India
Grade: 83.4%
- **Nalanda Vidya Niketan** August 2021
◦ Class 10 CBSE Vijayawada, India
Grade: 88.6%

PROJECTS

- **Attendify – Smart Attendance Tracker** Jan 2025 – Apr 2025
Tools: React, TypeScript, Tailwind CSS, Vite, GitHub Pages, ShadCN/UI 
 - Launched attendance monitoring web app with dynamic threshold calculations; reduced manual attendance tracking time by 75% for academic planning
 - Implemented real-time visual analytics dashboard; processed 50+ attendance scenarios with instant feedback and threshold recommendations
 - Deployed live at [attendify.space], with 99% uptime; achieved sub-2 second load times using optimized React architecture
- **Health is Wealth – AI-Driven Symptom Analyzer & Telehealth UI** Feb 2025 – May 2025
Tools: React.js, Tailwind CSS, Node.js, Express, FastAPI, Python, Gemini API, WebRTC, SMTP 
 - Built AI-powered symptom analysis platform processing 15+ health conditions; reduced preliminary assessment time from 30 minutes to 3 minutes
 - Integrated Gemini API with end-to-end encryption handling 100% client-side data processing; achieved zero data transmission for privacy protection
 - Developed appointment booking system with 80% fewer form fields; streamlined healthcare provider connections with 3-click booking process
- **Task Master - AI-Driven Productivity App with Dynamic Personalities** Apr 2025 - May 2025
Tools: React, TypeScript, Tailwind CSS, Express.js, PostgreSQL, Drizzle ORM, Passport.js 
 - Built task management app with 3 AI personality modes; implemented productivity scoring system tracking completion rates and streak analytics.
 - Developed full-stack application with real-time synchronization across web platforms using PostgreSQL and Express.js API
 - Engineered dynamic AI response system with 0-100 productivity levels; delivered personalized feedback based on individual task completion performance
- **Mufasa AI – AI Tool Discovery Platform** Apr 2025 – May 2025
Tools: React, Three.js, WebGL, Tailwind CSS, Node.js, MongoDB, OpenAI GPT-4 
 - Launched 3D platform curated 300+ tools across 15 categories achieved 60 FPS rendering with optimized WebGL shaders
 - Built glassmorphic interface with floating 3D cards and particle systems; implemented responsive design with advanced CSS animations
 - Integrated GPT-4 recommendation engine with vector embeddings; delivered personalized tool discovery with intelligent filtering capabilities
- **Check My Password – AI-Powered Password Strength & Security Toolkit** Mar 2025 – May 2025
Tools: React, TypeScript, Tailwind CSS, Shadcn UI, bcrypt, crypto-js, Spline 
 - Launched password security toolkit analyzing 12+ strength factors; provided real-time cracking time estimates from seconds to centuries.
 - Built password vault managing 500+ entries with PDF export; implemented AES-256 encryption with zero cloud storage dependency.
 - Engineered bulk analysis feature processing 1000+ passwords simultaneously; identified weak entries with 95% accuracy using entropy algorithms

SKILLS

- **Programming Languages:** Python, C, JavaScript, C++, Java
- **Web Technologies:** React.js, Next.js, Tailwind CSS, Node.js, Express.js
- **Database Systems:** MongoDB, MySQL, Firebase
- **Artificial Intelligence & Machine Learning:** Pandas, NumPy, Scikit-learn, TensorFlow
- **DevOps & Version Control:** Git, GitHub, GitHub Actions, npm, Docker (basics)

PATENTS AND PUBLICATIONS

[S.1] Hanish Kumar S, Dr. Rajalakshmi S, Jagannath Mishra et al. (2025). Facial Micro expression Analysis of Deceptive Behavior. Manuscript submitted for publication in *ICCCNet 2025* conference proceedings, organized by Manchester Metropolitan University, Manchester, United Kingdom. Accepted for publication in Elsevier SSSN, presentation scheduled for August 2025.

HONORS AND AWARDS

- **First Place – PALS Innovation Challenge** January 2024
Awarding Institution/Organization: IIT Madras (PALS)
 - Won first place among 500+ participants after clearing 3 rigorous selection rounds; demonstrated exceptional innovation and problem-solving capabilities at prestigious IIT Madras event
 - Secured victory in 3-day intensive competition; earned cash award and high recognition for technical excellence and innovative approach
- **Second Place – Hack street 3.0** February 2025
Awarding Institution/Organization: Gen AI Hackathon, SRM
 - Placed second among 300+ participants with AI-powered theft detection system; implemented YOLO object detection for real-time CCTV monitoring and intruder alerts
 - Delivered complete solution featuring intuitive UI and automated complaint registration; converted video surveillance into actionable data insights for security enhancement
- **Finalist – ABV Hacksagon** March 2025
Awarding Institution/Organization: ABV-IIITM Gwalior
 - Achieved finalist position among 200+ teams with Mood Tunes AI system; pioneered mood detection from images with personalized music generation technology
 - Created innovative cross-domain integration combining computer vision and AI music synthesis; recognized for creative technical solution and unique user experience
- **Finalist – Webweave UI/UX Hackathon** April 2025
Awarding Institution/Organization: SRM
 - Secured finalist position among 200+ participants with AI-powered medical assistant interface; delivered comprehensive symptom checker with healthcare-focused UX design
 - Recognized for excellence in healthcare innovation and user experience; demonstrated strong technical skills in medical AI application development.

CERTIFICATIONS

- Machine Learning Specialization – Stanford University (Coursera)** November 2024 - April 2025
Instructor: Andrew Ng Completed flagship 11-course specialization covering supervised learning, neural networks, and advanced algorithms; implemented 15+ hands-on projects including recommendation systems and anomaly detection
- NVIDIA Deep Learning Certification Track** January 2025 - May 2025
Getting Started with Deep Learning | Generative AI with Diffusion Models
Mastered GPU-accelerated deep learning frameworks and generative AI architectures; gained expertise in CUDA optimization and diffusion model implementation for production environments
- TensorFlow Developer Professional Certificate** January 2025 - May 2025
(via Coursera) Achieved industry-recognized certification in TensorFlow ecosystem; demonstrated proficiency in computer vision, NLP, and time series forecasting through; comprehensive portfolio projects

ADDITIONAL INFORMATION

Languages: English, Kannada, Telugu, Tamil, Hindi
Interests: AI/ML Research, 3D Interfaces, Competitive Programming