SHREYAS KUMAR

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PROFESSIONAL SUMMARY

Android & Web Developer — ML Researcher — 2x Hackathon Winner — Founder at Sanchipt — Published Research Author with 92.73% accuracy in skin lesion classification — Expertise in Next.js, React Native, Python, and AI/ML technologies — Passionate about building innovative tech solutions and leading cross-functional teams.

EDUCATION

Vellore Institute of Technology   **Aug 2023 – May 2027**
Bachelor of Engineering in Artificial Intelligence, GPA: 9.42/10.0   *Chennai, India*
Bridgewell Global School (CBSE)   **2020 – 2022**
Higher Secondary School, GPA: 10.0/10.0   *Bhubaneswar, India*

EXPERIENCE

Founder   **Jan 2025 – Present**
Sanchipt - World News Summarizer   *Remote*
- Launched world news summarizer platform delivering concise summaries across multiple categories (India, US, Technology, Science, Education, Politics, Business, Health, Sports, Research)
- Implemented ML algorithms to deliver time-efficient news consumption, reducing reading time by 80%
- Deployed scalable web application using Next.js, Python, and Machine Learning, serving global audience
- Completely free platform with user-friendly navigation between categories

Campus Ambassador   **Aug 2025 – Present**
Unstop   *Remote*
- Represent Unstop platform at VIT Chennai, driving student engagement and participation
- Organize and promote hackathons, competitions, and skill development programs

Sponsorship Lead   **Sep 2024 – Present**
TEDxVITChennai   *Chennai, Tamil Nadu*
- Lead sponsorship acquisition strategies for TEDx events with 1000+ attendees
- Develop partnerships with industry leaders and manage stakeholder relationships

Research Intern   **Jun 2024 – Jul 2024**
Centre for Cyber Physical Systems (CCPS), VIT Chennai   *Chennai, Tamil Nadu*
- Developed hybrid CNN-BiLSTM model with attention mechanisms for skin lesion classification
- Achieved 92.73% accuracy, outperforming InceptionV3 and VGG16 models
- Published research in Scientific Reports (Nature Portfolio) with 3.8 impact factor

Technical Member   **Sep 2023 – Present**
Augmented and Virtual Reality Club VITC   *Chennai, Tamil Nadu*
- Developed club website using Next.js and React.js, improving user engagement by 40%
- Created 3D models and AR/VR experiences using industry-standard tools
- Collaborated on version control using GitHub with team of 15+ developers

PROJECTS

Instylo - Next-Gen Social Platform | *React, TypeScript, Tailwind, Appwrite, Vite*   **2025**
- Led full-stack development of comprehensive social platform combining networking, learning and entertainment
- Implemented 8+ core features: Social networking, AI study buddy, game center, video conferencing, marketplace
- Built scalable architecture using React Query, Appwrite backend, and Jitsi Meet integration
- Collaborated with UI/UX designer and backend developer in agile team environment

Nutrilytics - Smart Nutrition Tracker | *React Native, Expo, Firebase, TypeScript*   **2025**
- Developed comprehensive nutrition tracking app with food scanning and offline support
- Implemented Firebase Authentication & Cloud Firestore for secure data management
- Built intuitive interface with nutrition history analysis and daily intake tracking
- Published on Google Play Store with production-ready EAS Build deployment

CHRONOS - Time Manipulation Game | *React Native, Expo, JavaScript*   **2025**
- Developed immersive mobile game with time-based mechanics and progressive difficulty
- Implemented haptic feedback, particle effects, and high score tracking system
- Built for iOS and Android platforms with intuitive drag controls and combo multipliers

LiveScope - Real-Time Object Detection | *JavaScript, TensorFlow.js, COCO-SSD*   **2024**
- Won 1st place at Scribble Pad Hackathon 2024 among 100+ teams
- Built real-time object detection system for surveillance and autonomous vehicle applications
- Implemented COCO-SSD model with live video stream processing capabilities

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, Kotlin, SQL, C#
Frameworks/Libraries: React.js, Next.js, React Native, TensorFlow.js, Flutter, Node.js
Machine Learning: CNN, BiLSTM, Attention Mechanisms, TensorFlow, Scikit-learn, Pandas, NumPy
Tools/Technologies: GitHub, Firebase, MongoDB, Google Cloud, Azure, Streamlit, TMDB API
Specializations: Mobile App Development, Web Development, AI/ML Research, Data Science, 3D Modeling

ACHIEVEMENTS & PUBLICATIONS

Scientific Publication | *Scientific Reports (Nature Portfolio)*   **May 2025**
- "An attention based hybrid approach using CNN and BiLSTM for improved skin lesion classification"
- Impact Factor: 3.8 — Achievement: 92.73% accuracy in medical AI diagnostics

Hackathon Victories   **2024**
- 1st Place - Scribble Pad Hackathon 2024 (LiveScope Project)
- 3rd Place - Voyage Hackathon 2024 (DhanGyan Project) - 1000+ teams
- Top 15 - HACKHAZARDS '25 Fluvio Track - 2900+ teams, 5700+ participants

YouTube Content Creator   **2023 – Present**
- sharing tech tutorials and development insights
- Published educational content on programming and technology trends

CERTIFICATIONS

NPTEL - Conservation Economics — Economics of Banking and Finance Markets

Google Cloud - TensorFlow Image Classification — Dataplex — App Dev Environment

Microsoft - Azure Static Web Apps — Power Apps Development

HackerRank - SQL (Basic) — Java Intermediate — Python Data Structures