

VIDYANKSHINI VIBHUTE

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PROFILE SUMMARY

Motivated and detail-oriented B.Tech Information Technology student who spearheads impactful solutions in Full Stack Development, Cybersecurity, AI-powered platforms, and Open Source contribution. Demonstrated ability to engineer, orchestrate, and deliver projects spanning mentorship, accessibility, and interview preparation. Proficient in React, Next.js, JavaScript, C++, Git, and GitHub; recognized for leading technical initiatives and pioneering accessibility-first engineering in competitive hackathon environments.

EDUCATION

AISSMS Institute of Information Technology

Bachelor of Technology (B.Tech) in Information Technology

Expected Graduation: 2028

Current CGPA: 8.57

TECHNICAL SKILLS

Languages: C++, JavaScript

Tools & DevOps: Git, GitHub, Docker, Kubernetes, AWS, Python, Whisper,, TensorFlow, , Pandas, Kali Linux, Wireshark, Nmap, Burp Suite

Web Development: HTML, CSS, React.js, Next.js, Tailwind CSS, Bootstrap,

Backend & Databases: Node.js, Express.js, MongoDB, MySQL, Firebase, Supabase

Domains: Full Stack Development, Cybersecurity, AI-Based Applications, Open Source Contribution,ML

PROJECTS

PrepAI.io | AI, Voice Analysis, Video Analysis, WebRTC, Vercel [\[GitHub\]](#)

- Developed a real-time AI interview practice platform featuring voice-first AI conversations, video analysis, and detailed behavioral feedback to help candidates strengthen their preparation.
- Integrated advanced audio and visual analytics to generate actionable insights, enabling candidates to identify patterns, refine communication skills, and maximize interview performance.

MentorMind | React.js, Next.js 14, JavaScript, Firebase, FastAPI, Redis, WebRTC, Vercel [\[GitHub\]](#)

- Engineered an AI-powered platform to evaluate teaching quality in educational videos and transform them into accessible multimodal formats — Blind Mode, Deaf Mode, and Easy Mode — leveraging ONNX models and Celery & Redis task queues for scalable, real-time content processing.
- Designed and implemented a frontend featuring custom Recharts dashboard analytics, progress trackers, and accessibility-first panels, ensuring an inclusive experience for diverse learners.

SecureCode | Python, Cybersecurity, Static Analysis, OWASP [\[GitHub\]](#)

- Engineered a static code analysis tool to detect security vulnerabilities — SQL injection, XSS, and insecure deserialization — following OWASP Top 10 secure coding best practices.
- Implemented automated scanning workflows that diagnose, flag, and generate structured remediation reports, enabling developers to investigate and resolve security flaws efficiently.
- Advanced DevSecOps practices by integrating the tool into CI/CD pipelines, ensuring continuous proactive security assessments throughout the software development lifecycle.

EXPERIENCE

Networking Virtual Internship | AICTE EduSkills & Zscaler

Jan 2026 – Mar 2026

- Successfully completed a 10-week virtual internship gaining comprehensive exposure to networking fundamentals, communication protocols, security concepts, and enterprise networking environments.
- Investigated and analyzed real-world networking architectures; acquired hands-on familiarity with industry practices, building a strong foundation for cybersecurity and infrastructure roles.

Technical Chair | CyberSheil AISSMS IOIT

Jan 2025 – Jan 2026

- Spearheaded technical planning and execution of cybersecurity-focused activities, leading teams to design and deliver impactful events that strengthened the community's security knowledge.

RESEARCH PAPER

AI-Enabled Multimodal Framework for Teaching Quality Evaluation To Strengthen Diverse Learners Abilities [\[View Paper\]](#)

- Published in IJARST (Vol. 6, Issue 3, April 2026); engineered an AI-driven multimodal framework evaluating teaching quality from recorded sessions by analyzing audio, visual, and textual data using Whisper, BERT, and ResNet50 models.
- Developed an accessibility-focused assessment system with subtitle generation, text-to-speech, content simplification, and a scoring engine that evaluates clarity, engagement, pacing, and technical depth to provide actionable instructor feedback.

OPEN SOURCE CONTRIBUTIONS

Open Source Contributor | GirlScript Summer of Code (GSSoC) & GitHub

- Contributed to 3+ active repositories spanning ML, JavaScript, and OS integration — implemented features, resolved issues, and optimised code; **ranked 233 among 40,000+ participants** in GSSoC.
- Collaborated with maintainers via structured GitHub workflows (branching, PRs, code reviews, merges); built a track record of clean, well-documented contributions across multiple ML-based open-source projects.

ACHIEVEMENTS

- Achieved **Finalist** status at **IIT Bombay and IIT Indore Hackathons**, competing among top student innovators from across India.
- Ranked among the **Top 100 contributors** in GirlScript Summer of Code (GSSoC) out of 40,000+ participants through impactful open-source contributions.
- Actively participated in national-level hackathons and innovation challenges, developing technology-driven solutions and collaborating in high-performing

LANGUAGES

English | Hindi | Marathi