Vedika Lohiya

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EDUCATION

- **MGM's College of Engineering, Nanded, India**
  Bachelor of Technology in Computer Science; CGPA: 6.44 *Nov 2022 – Present*
- **Vishwanathappa Hurne Jr. College, Nanded, India**
  Higher Secondary Certificate (HSC); Percentage: 78.5 *2022*
- **Gyan Mata Vidya Vihar, Nanded, India**
  Central Board of Secondary Education (CBSE); Percentage: 58 *2020*

SKILLS

- **Programming Languages**: Python,C++
- **Full Stack Development**:HTML5, CSS3, Javascript, Node.js, MongoDB
- **Databases**: MySQL, MongoDB
- **Tools**: Git, GitHub, Visual Studio Code
- **Concepts**: DSA in Python, Problem Solving, Operating system, Computer networks, DBMS.
- **Soft Skills**: Leadership, Event Management, Public Speaking, Time Management

Experience & Projects

- **TechElevate: Interview Preparation Website** GitHub

  - Built to address the lack of structured guidance and practice resources for students preparing for placements, streamlining the preparation journey with organized tools and content.
  - **Stack:** HTML, CSS, JavaScript, Python (Flask), MongoDB, AJAX (for real-time validations)
  - Designed with a modular architecture and MongoDB backend to support seamless integration of core features like Mock Tests, Roadmap Generator, Technical Preparations, and Study Courses.
  - Scalable infrastructure enables support for a growing user base and future expansions such as Resume Analyzer, AI Interviewer, Study Rooms, and mobile applications.

- **SpeedSentry: Android-Based Speed Monitoring System** GitHub

  - Lack of real-time vehicle speed monitoring leads to unsafe driving and insufficient enforcement of speed limits.
  - **Stack:** Java, Android Studio, Firebase, IoT (NodeMCU/ESP8266), Sensors
  - Scalability of my project is real-time data handling with Firebase supports multiple vehicles simultaneously, while modular app design allows easy feature additions like enhanced alerts and gamification.
  - My role in this project was to design and develop the Android app integrating ESP8266 sensors for speed tracking, implement Firebase backend for data storage and notifications, and create a gamified reward system to promote safer driving habits.

- **Personal Portfolio Website** GitHub

  - Need for a modern, responsive portfolio to showcase skills, projects, and achievements in a professional and accessible way.
  - **Stack:** HTML, CSS, JavaScript, Responsive Design, GitHub Pages
  - My role: Developed the full frontend with a focus on clean UI/UX, implemented responsive layouts and smooth navigation, and deployed the website for public access.

KEY COURSES AND WORKSHOPS

- **IOT Workshop**: By Technex IIT Varanasi. Certificate
- **Programming Fundamentals using Python**: By Infosys SpringBoard. Certificate
- **Microsoft Learn Cloud Skill Challenge**: By Microsoft. Certificate
- **Cybersecurity Specialization**: By Google on Coursera. Certificate
- **2024 Solution Challenge**: By Google Developer Students Club. Certificate
- **Generative AI for Students**: Conducted by NXT WAVE at MGMCEN. Certificate

POSITIONS OF RESPONSIBILITY

- **Joint Secretary, IEI Council, MGMCE Nanded** *2024*
  Organized events and technical activities in collaboration with council members.
- **Corporate-Relations Head, TNP Council, MGMCE Nanded** *2024*
  Built professional relationships and ensured smooth placement activities.
- **HackSpectra Volunteer, State Level Hackathon, MGMCE Nanded** *2025*
  Organized a state level hackathon by CSE department.
- **Volunteer, Third International Conference on Data Analytics and learning, MGMCE Nanded** *2024*
  Coordinated schedules and tasks of conference, ensuring adequate coverage.

ACHIEVEMENTS

- **IoT**: Secured 1st Position in IoT Workshop by Technex, IIT Varanasi at MGMCE, Nanded. Certificate
- **IoT Competition at IIT Varanasi**: Secured 4th Position in the Final Round.