Vedang Mishrra

Roll No.: 22MIC0017
M.Tech 5 year Integrated
Major in Computer Science and Engineering
Vellore Institute Of Technology, Vellore

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech (5-Year Integrated)	Vellore Institute of Technology, Vellore	9.0/10.0 (Current)	2022-2027
Senior Secondary	CBSE Board	94.4%	2021
Secondary	CBSE Board	93.2%	2019

EXPERIENCE

- **Aarvasa** *Jan 2026 – Present*
  React Developer Intern On-site
  – Developing a production-grade website for **PS Associates**, delivering end-to-end frontend features using React.js
  – Built and integrated **15+ reusable components**, reducing future development time and improving maintainability
  – Improved page load performance by **25–30%** through code splitting, lazy loading, and optimized asset handling
  – Implemented responsive layouts and UI animations, increasing usability across desktop and mobile devices

- **Kalkini** *Sep 2025 – Dec 2025*
  Front-End Developer Intern On-site
  – Independently **designed and developed Kalkini's official website from scratch**, handling UI/UX, frontend architecture, and deployment
  – Developed and shipped **2 production websites** (**Kalkini main site** and **LetsGetMentor**) using React.js and modern CSS frameworks
  – Improved website performance by **40%**, reducing load times through frontend optimization and efficient rendering

PROJECTS

- **Prometheus - AI Agriculture Assistant** *Dec 2025 – Feb 2026*
  Python, LLM, ML, React, FastAPI Github
  – Built LLM from scratch using GPT-2 architecture with transformer blocks and attention mechanisms
  – Achieved 85% accuracy in crop yield prediction through model training and hyperparameter optimization

- **Maverick - AI-Powered Code Editor** *Jan 2026 – Feb 2026*
  React, Node.js, WebSockets, TypeScript Github
  – Developed full-stack code editor with real-time collaboration using WebSockets and operational transformation
  – Integrated AI-driven code completion and debugging features with context-aware recommendations

- **VVibe - Music Streaming Platform** *Jul 2025 – Aug 2025*
  React, Node.js, PostgreSQL, AWS S3, Redux Github
  – Built full-stack music streaming app with user authentication, playlist management, and optimized database schema
  – Implemented chat with friends feature so that user can follow their friends on app and see what they are streaming

- **CodeFlex - AI Fitness Trainer** *Apr 2025 – Jun 2025*
  Python, Gemini API, Node.js, Vapi, Convex Github
  – Created fitness app with Gemini API for personalized workouts and diet plans
  – Used Vapi to provide one on one personalized communication between user and voice agent

SKILLS

- **Programming Languages**: Java (OOPS), C/C++, Python, JavaScript
- **Web Development**: React.js, React Native, HTML5, CSS3, REST APIs, Responsive Design
- **Frontend Tools & Libraries**: Redux, Tailwind CSS, Bootstrap, Figma (UI/UX Design), Framer Motion, GSAP
- **Version Control & Deployment**: Git, GitHub, Vercel, Netlify, CI/CD
- **Databases & Backend**: Node.js, Express, MongoDB, PostgreSQL
- **Operating Systems**: Windows, Linux, macOS
- **Other Skills**: Problem Solving (Data Structures And Algorithms), Cross-Functional Collaboration, Agile Development, Parallel Computing, Multithreading, Computer Networks, System Design

CERTIFICATES / ACHIEVEMENTS

- **Data Structures and Algorithms in Java**, Apna College | Solved 300+ DSA problems on LeetCode *2025*
- **Full Stack Web Development**, Apna College | Deployed 15+ Full Stack Websites *2025*
- **Artificial Intelligence & Machine Learning**, Ongoing Certification Course *2025 – Present*
- **Ethical Hacking**, NPTEL (IIT Platform) *2025*