SWAPNIL VERMA

DOB: 27 Aug 2005   Hirakud, Sambalpur, Odisha

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Education

National Institute of Technology, Rourkela   **August 2024 – Present**
Bachelor of Technology in Metallurgical and Materials Engineering (CGPA - 8.50)   *Rourkela, Odisha*

Vikash The Concept School, Rourkela   **May 2024**
AISCCE – CBSE, Science (PCM) (Percentage - 93.2%)   *Sambalpur, Odisha*

Vikash The Concept School, Sambalpur   **May 2022**
AISSE – CBSE (Percentage - 98%)   *Sambalpur, Odisha*

Relevant Coursework

- Data Structures and Algorithm
- Database Management
- Object Oriented Programming

Work Experience

Participant – NIT Rourkela June Cohort 2025   **June 2025**
Backend Developer   *Rourkela, Odisha*

- Developed and integrated 10+ backend APIs for voice-based booking, user authentication, and data retrieval
- Managed database design and backend logic handling 50+ test user interactions during demo.
- Collaborated with 3 teammates across frontend and AI modules to deliver a fully functional Project in under 10 days.

Projects

Baymax – AI-Powered Medical Assistant Web App   **June 2025**
MERN Stack, TailwindCSS   *GitHub*

- Built a full-stack medical app with voice-based appointment booking, processing over 20 unique speech-to-text queries.
- Implemented secure user authentication and role-based access, successfully managing access for 10+ test users.

TypeGame – Typing Speed Mini-Game   **May 2025 – June 2025**
MERN Stack   *GitHub*

- Developed a typing game that tracks speed and accuracy using a database of 10+ random text prompts/paragraph.
- Implemented real-time feedback and score tracking with a smooth React UI, updating results within 500ms.
- Stored user scores and names for over 50+ users in a MongoDB-powered high score database and displays the Top 10.

Achievements/Certifications

- **Postman Student Expert**   **July 2025**
  This badge was awarded for demonstrating proficiency with APIs and Postman.   *Certificate*
- **Concordia MUN Participation Certificate**   **June 2025**
  Represented the Delegation of Estonia in UNHRC   *Certificate*
- **Participation Certificate AlgoUtsav-2024**   **November 2024**
  An ICPC-style competitive programming contest participated in both Team and Individual Round.   *Certificate*

Technical Skills

- **Languages**: C, C++ , HTML/CSS , JavaScript(ES6+)
- **Operating Systems**: Windows
- **Developer Tools**: VS Code, CLion, Git, GitHub, Render, Postman , Figma
- **Technologies/Frameworks**: MERN Stack ,MySQL ,Tailwind ,JWT Auth

Extracurricular Activities

Cognizen-NITR   **March 2025 – Present**
Content Writer and MUN Delegate   *NIT Rourkela*

- Represented diverse national perspectives in MUNs, specializing in debate on policy making and human rights.
- Wrote research-based articles on Global affairs, political, and historical topics .

AstroNITR   **January 2025 – Present**
Graphic Designer   *NIT Rourkela*

- Managed the Instagram handle of the club by designing weekly posts and newsletters.
- Crowd management during on-campus club events.