ADITYA VERMA

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Technical Skills

Programming Languages : Java, C, C++, Python
Web Technologies: HTML5, CSS, JavaScript, React.js, Node.js
Database Systems : MongoDB, MySQL
Frameworks and Libraries: Express.js, Flask, Django, Bootstrap, Tailwind
DevOps & Version Control: Git, Github, Docker
Other Tools & Technologies: Postman, Tableau, Excel, FastAPI
Relevant Studies: Data Structures and Algorithms, DBMS, Operating Systems, OOPs

Education

UIET, Chhatrapati Shahu Ji Maharaj University, Kanpur   **June 2023 - May 2027**
Bachelor of Technology, Electronics and Communication

Varanasi Public School, Varanasi   **2022**
Central Board Of Secondary Education (Class XII)

Experience

OSGeo Foundation   **January 2025 - Present**
Open Source Contributor

- Contributed to GRASS GIS by enhancing functionalities and fixing bugs.
- Improved OSGeoLive documentation and software packaging
- Fixed a critical issue in the Web Archive integration, improving accessibility and preserving 500+ GIS resources.
- Participated in community discussions and provided support.

Projects

ResumeFit: AI Powered Job Specific Resume Analyzer
React, Node.js, Express.js, MongoDB, SpaCy, Bert, Hugging Face   **2025**
  * Developed an AI-driven resume analysis system that evaluates resumes against job descriptions with 85% accuracy.
  * Integrated NLP models (SpaCy BERT) to extract key skills and experience, reducing manual screening time by 70%.
  * Designed an interactive UI with real-time feedback using React.js, improving user engagement.

Crime Lens: AI Powered Crime Prediction and Analysis System
NumPy, Pandas, Flask, GeoPandas, React.js, MongoDB   **2025**
  * Developed a predictive analytics model to forecast crime hotspots with an 80% accuracy rate
  * Built a user-friendly dashboard using React.js, allowing law enforcement to access insights 40% faster.
  * Deployed Flask APIs for real-time data ingestion, efficiently handling high-volume data processing.
  * Implemented a database indexing strategy, improving query performance by 45%.

Multiplayer Chess Game
HTML5, TailwindCSS, JavaScript, Web Socket   **2024**
  * Developed an interactive UI using TailwindCSS, leading to a 25% increase in user engagement
  * Integrated game logic for legal moves, check, checkmate, and stalemate conditions.
  * Implemented WebSocket for seamless communication, reducing move latency to less than 200ms

Additional Information

- Achieved a top 10 rank in the "Decrypt" event at IIT Kanpur's E-Summit.
- Secured 127th rank in Coding Ninja 2.0 Slayground.
- Collaborated with AATMODAY at CSJMU, improving programming skills and organizing 2 coding and electronics events for 100+ members.
- Girl Script Summer of Code(GSSoc) Contributor.

Certifications

Web Development with MERN Stack   (2025)
Data Structure And Algorithms with Java   (2025)
PostMan API Student Fundamental Expert   (2024)
Robotics with Python   (2024)