Avantika Yadav

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EDUCATION

Manipal University Jaipur — Jaipur, India
Bachelor of Technology - Computer Science; GPA: 8.41 — *August 2021 - Present*

City Montessori School — Lucknow, India
Secondary School Certificate; Percentage-94.5 — *July 2007 - June 2021*

SKILLS SUMMARY

- **Languages**:   Java, CSS, HTML, JavaScript
- **Frameworks**:   Django, React.js, Node.js, Express.js, Bootstrap, Bulma
- **Development Tools**: MySQL, MongoDB, Git/GitHub, Postman, VSCode, REST API
- **AI & Code Quality Tools**: SonarQube, ESLint, Snyk, GitHub Copilot, Windsurf AI
- **Soft Skills**:   Teamwork, Event Management, Public Speaking, Time Management

EXPERIENCE

Genisys Group — Remote
Intern / Software Division — *March 2025 – June 2025*

- Contributed to the successful development and rigorous testing of internal AI models (Claude/Codex) for code repository analysis and generation, identifying key performance bottlenecks and improving output quality.
- Used AI-based tools (SonarQube, ESLint + Prettier, Snyk, GitHub Copilot) to detect code quality, security, and formatting issues.
- Automated issue resolution using Windsurf AI, ESLint + Prettier, and Snyk to streamline codebase maintenance.

ARVY Consultancy (UK) Limited — Remote
IT Intern — *February 2025 – June 2025*

- Optimized ERP functionalities to enhance financial tracking, compliance, and reporting accuracy.
- Developed automated overdue invoice reports and conducted detailed data analysis using SQL queries integrated with Excel dashboards, enabling real-time financial insights and strategic decision-making.

GenNext PLM Pvt. Ltd. — Remote
Internship Trainee / Information Technology Operation Department — *July 2024 - Sep 2024*

- Developed a Java-based application with a user-friendly GUI for managing product inventory, including CRUD operations, tracking, supplier management, and lifecycle stages.
- Implemented data persistence using a local MySQL database to ensure reliable storage and retrieval of product information.

PROJECTS

- **Machine Learning**: Research oriented, Built a sentiment analysis model for movie reviews using DistilBERT model. Achieved an accuracy of 94.15% on testing data.
- **Full Stack**: Product Inventory Management System. Developed a user friendly interface for managing inventory

VOLUNTEER EXPERIENCE

IEEE Student Branch MUJ — Jaipur, India
Community Manager — *June 2021 - May 2023*

- Coordinated 50+ events and built a 200+ member community (IEEE Level Up).

Oneiros | MUJ Annual Cultural Fest — Jaipur, India
Organizing Committee — *October 2022*

- Assisted in organizing large-scale cultural events in coordination with stakeholders.

Rotaract Green Club, MUJ — Jaipur, India
Events Team — *Feb 2022- March 2023*

- Volunteered in environmental and social service initiatives including plantation drives and blood donation camps.

PUBLICATIONS

- **Sentiment Analysis of Movie Reviews using Deep Learning and NLP Models**
  IEEE International Conference on Recent Advances in Computational Techniques (ICPCT 2025), April 2025
  DOI: 10.1109/ICPCT64145.2025.10940336

- **Role of Artificial Neural Networks in Fortifying Cybersecurity: A Review**
  American Institute of Physics, January 2025
  DOI: 10.1063/5.0248254

HONORS AND AWARDS

- Awarded Dean's List Certificate for Good Academic Performance (9+ GPA) in 6th Semester
- Received Student Excellence Certificate for Summer Internship(July 2024)
- Received Student Excellence Certificate for Publication(March 2025)