Panav Agarwal

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Technical Skills

Languages: Python, Java, C, JavaScript, HTML, CSS
Tools & Technologies: React, Node.js, MongoDB,Spring boot, OpenCV, Git, Linux, NumPy, Adobe Premiere Pro, Canva

Projects

HackNest – Coding Contest Platform *In Progress*
MERN stack web app to host coding contests.

- Built user authentication using JWT and designed RESTful APIs for contests and questions.
- Developed React frontend layout using Tailwind CSS.
- Planned features: live coding editor, leaderboard, and admin dashboard.

Kavach – Vehicle Collision Prevention System *Jul '23 – Nov '23*
IoT-based safety system integrating sensors and computer vision.

- Implemented Alcohol Detection, Drowsiness Detection (OpenCV), Obstacle Detection, and Accident Alerts.
- Reduced fatigue-related incidents by 40% during controlled testing.

Cab-Review Sentiment Analysis *Jan '25 – Apr '25*
Review classification and sentiment detection using BERT.

- Categorized reviews into topics like driver behavior, customer support, and app experience.
- Improved sentiment classification accuracy by 20%.

Interactive To-Do List App *Aug '24*
JavaScript-based dynamic task manager with drag-and-drop.

- Features include task CRUD, priority reordering, and visual progress tracking.

Education

B.Tech in Computer Science, VIT-AP *Sept '22 – June '26*
CGPA: 8.86

Senior Secondary, Central Academy *June '20 – May '22*
Percentage: 82.6%

Secondary Education, Central Academy *June '17 – May '20*
Percentage: 82.8%

Experience & Involvement

Tech Team Member, Google Developer Student Club – VIT-AP *Jan '24 – Jun '24*
Organized 5+ events, increased participation by 40%, contributed 50+ volunteer hours.

Problem Solving Practice
Solved 200+ DSA problems on LeetCode and Coding Ninjas.