SIDDHARTHA KUMAR PANDA

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SUMMARY

Computer Science undergraduate with a strong problem-solving mindset and a passion for creating practical, user-focused solutions. Experienced in team-based environments and known for a proactive and adaptable approach to challenges.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	Kalinga Institute of Industrial Technology	9.06	2022-2026
Senior Secondary	Kendriya Vidyalaya, Berhampur	82.3	2022
Secondary	Kendriya Vidyalaya, Berhampur	94.6	2020

INTERNSHIPS

- **TDK Corporation**   *June 2024- present*
  Machine Learning Intern   Remote
  - Led the company's discussion with Ultralytics team to integrate cutting edge technologies into the project.
  - Implemented feature extraction and edge detection using OpenCV and custom ML models, enhancing surface angle detection accuracy by **78%.**

- **DRDO, ITR**   *May 2024- May 2024*
  Project Intern   Chandipur
  - Developed Attendance Management System to streamline and automate attendance tracking for employees across multiple departments, which was successfully integrated in the testing site.

PROJECTS AND PAPERS

- **Automated Research Paper Generator:**

  Tools: Python, TensorFlow

  - Developed a research paper generator that automated 80% of the content creation process, boosting researcher productivity and reducing drafting time by over 65%, focusing only on ideation and validation phases.

- **Code Buddy**

  Tools: Python, Telegram API, DeepSeek AI, ChatterBot

  - Designed an interactive Telegram interface for dynamic code generation, enabling users to easily request Python scripts for tasks like chat-bot creation and tax calculations.
  - Enhanced bot functionality using DeepSeek AI to deliver clean, intelligent code outputs, boosting user satisfaction and code quality.

- **Paper on Enhancing Energy Efficiency in renewable energy integration.**
  - Explored strategies for optimizing energy systems to improve sustainability and efficiency in renewable energy adoption by analyzing case study of Gujarat government resulting in 4% curtailment rate.

SKILLS

- **Programming Languages** : C, python, SQL
- **Technologies** : Machine Learning, Image processing, Natural Language Processing.
- **Tools** : VS code, Jupyter Notebooks, GitHub, JIRA
- Collaboration and Teamwork, Time Management, Analytical Thinking and Problem Solving, CRM, Effective Communication

ACHIEVEMENTS

- KIITEE MERIT SCHOLARSHIP [Rank 883]
- KAMP - NASTA [AIR - 22]
- NCC 'A' Certificate holder and 'Tritiya Charan' certified from Bharat Scouts and Guides

POSITIONS OF RESPONSIBILITY

- Finance Lead of Kraya and Kuber Society, overseeing budgeting and event planning.
- Head Boy of school, leading student council and coordinating major activities.