Abhinav Karnatak

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○ github.com/abhinavkarnatak-dev https://portfolio-abhinavk.vercel.app/

Education

University Of Petroleum And Energy Studies   2021-2025
Bachelor of Technology in Computer Science Engineering   *Dehradun, Uttarakhand*

Aryaman Vikram Birla Institute Of Learning   2021
Senior Secondary Education   *Haldwani, Uttarakhand*

BLM Academy   2019
Secondary Education   *Haldwani, Uttarakhand*

Experience

HERE Technologies   June 2024 – July 2024
Data Engineer Intern   *Remote*

- Developed and maintained web scraping scripts using Scrapy and BeautifulSoup to efficiently extract store data from various online sources.
- Cleaned and organized scraped data, ensuring accuracy and completeness for use in company databases and applications.
- Collaborated with team members to troubleshoot and resolve issues related to web scraping processes and data extraction.

Projects

NN-Based Classification, Detection of Streaming Images | *Python, OpenCV, Machine Learning*   Github   May 2024

- Executed real-time object detection and classification algorithms, leveraging machine learning methodologies to swiftly identify and categorize potential threats or entities captured within the monitored environment.
- Seamlessly integrated a user-friendly graphical user interface (GUI) equipped with recording and screenshot functionalities.
- Facilitated effortless monitoring of surveillance activities for comprehensive analysis and review purposes.

SudoWiz: Interactive Sudoku Solver | *React.js, Tailwind CSS, HTML, CSS, JavaScript*   Github   July 2024

- Developed an interactive Sudoku solver using React and Tailwind CSS to provide a responsive and user-friendly interface.
- Implemented a backtracking algorithm to efficiently solve Sudoku puzzles and highlight solved cells.
- Created features for input validation, puzzle solving, and grid resetting, ensuring seamless user experience across different devices.

AviaGeek - Aircraft Model Encyclopedia | *React.js, Tailwind CSS, HTML, CSS, JavaScript*   Ongoing

- Developing and launching AviaGeek, an online platform providing detailed information on aircraft models.
- Curating and organizing extensive content covering various aircraft manufacturers, including Airbus, Boeing, and ATR, to cater to aviation enthusiasts, students of aeronautics, and individuals curious about airplanes.
- Implementing user-friendly features to enhance the learning experience without relying on complex technologies.

Technical Skills

Languages: HTML, CSS, JavaScript, Typescript, C++, Python
Technologies: React, Tailwind CSS, React Native, Bootstrap, jQuery, NodeJs, ExpressJs, MongoDB, PostgreSql, OpenCV
Concepts: Full Stack Development, Artificial Intelligence, Machine Learning, Neural Networks
Tools: Git, GitHub, Figma

Position Of Responsibility

Student Placement Representative (SPR)   Sep 2023 – Present
University Of Petroleum And Energy Studies, Dehradun