KARTIK PANDEY

B.Tech (Honours.) – Computer Science Engineering in Data Science.

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E-Mail Me

GITHUB LINK   LINKEDIN ID

Chhattisgarh Swami Vivekanand Technical University, Bhilai

EDUCATION

| Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B. TECH(Hons.) CSE_DS	Chhattisgarh Swami Vivekanand Technical University, Bhilai.	8.04/10(Current)	2022-Present
Senior Secondary	Sadhu ram vidya mandir school	82%	2022
Secondary	Sadhu ram vidya mandir school	88%	2020

PROJECTS

- **Digital Transformative System for Pre-Failure Alert Generation and Cobble Reduction Based on Data and video Analysis   @IIT Bhilai**

  This 4.5 crore project of SAIL (Steel Authority of India limited) for Bhilai Steel plant is Helpful for Reducing Cobble problem at BRM(Bar and Rod Mill) which uses The Sensor Time Series Data and Video Framed Models for Developing 'Alert Generation System which Predicts the failure and stops the Mill, Saving lots of Money and Time.

  TECH STACK:- IBA Analyzer, Data Analysis, Python Modules, Machine learning, Jupyter Notebook.   Github

- **Vehicle Management Application for University Services**

  The App is Developed to enhance the overall Traffic and Vehicle Management system in the University. The Application provides seamless features of Online Vehicle Booking, Digital Refueling of Vehicle, log-book management for "Drivers", proper Record Keeping. Developed using Flutter with DART programming language. Application follows a proper Hierarchy of designation which is already defined. The app is Integrated with Real Time MAP for Navigation and Tracking.   **GitHub**
  Tech Stack: - Python, FLUTTER, Dart programming language, Android studio, C++

- **Potato Diseases Classification Model**

  Developed a Potato Diseases Classification Model that employs machine learning algorithms to accurately identify and classify various diseases affecting potato crops. Leveraging a dataset containing images of healthy and diseased potato plants, the model underwent training and validation phases. The outcome is a reliable tool that aids farmers in early disease detection, allowing for prompt intervention and improved crop management practices. This project aims to enhance agricultural productivity by providing an efficient and accessible solution for detecting and addressing potato diseases through advanced technology.
  GitHub
  Tech Stack: - Python, Machine Learning, TensorFlow, Matplotlib, Keras, Pandas, NumPy.

- **AI Based Chat Bot :- "TENET BOT"**

  Developed and trained a comprehensive Chatbot for Detailed analysis and proper Response, featuring an engaging introduction, intuitive sign-in, user-friendly Bot. The Bot includes seamless Data Extraction and code for generating best possible answer, emphasizing user experience. Additionally, dedicated sections for Model training and Data feeding are available which enhance user engagement and knowledge sharing. The project showcases proficiency in Natural Language principles, and a user-centric approach. Currently, trained with almost 5 lakhs bits of Data, and counting more. The goal is to provide an aesthetically pleasing and functional interface, contributing to an enhanced overall user experience.
  Tech Stack: - Replit, NLP, Data Extraction, Discord, Python.   **GitHub**

TECHNICAL SKILLS

- ➢ **Programmings:** Python**,** Java, C, C++, Data Structure and Algorithms, Machine Learning, R Language, MySQL, Competitive Programming.
- ➢ **Tools/Frameworks:** HTML, CSS, JavaScript, Git/GitHub, Figma UX/UI, PowerBI, Jupyter notebook, Flutter.
- ➢ **Data Analytics:** Pandas, NumPy, Matplotlib, Scikit-learn, Statsmodels.
- ➢ **Miscellaneous Skills:** Problem Solving, Teamwork, Communication, Leadership, Visual Studio Code, Google Collab, Algorithmic Trading, Stock Analyst, Equity Trading.

KEY COURSES

- **Mathematics:** Liner Algebra, Calculus, Probability, Statistics, Regression, Matrix, Discrete Mathematics.
- **Computer Science:** Data Structure and Algorithms, Database Management System, Computer Network, Artificial Intelligence, Data Visualization, Natural Language Processing, Pattern recognition & Machine Learning, Theory of Computation, Cryptography & Network Security, Data Analysis, Operating System, Data Warehousing, Object Oriented Programming.

Work Experience

- Research Intern at INDIAN INSTITUTE OF TECHNOLOGY(IIT), BHILAI From 1st Jan. to 30th June, 2025.   Offer Letter
- Data Science Intern at Navodita InfoTech from 1st April to 30th April,2024.☑
- Data Science Intern at Uptricks Services Pvt. Ltd. In Pune.
  ☑
- MyGov Campus Ambassador for Ministry of Electronics & Information Technology.
  ☑
- Data Science Intern at CognoRise InfoTech from 1st May to 1st June, 2024   offer letter

VOLUNTEERING

1) **National Service Scheme**
- Have conducted many events in student branch and coordinated with team.
- Also attended National Integration Camp, State camp, 3-unit camps.
2) **Training and Placement Co-ordinator Head in TPO cell of UTD, CSVTU.**   **TPO notice**
3) **Associative Editor of Digital Newsletter called "PRAVAAH", UTD, CSVTU**
4) **Vice Secretary of Institute of Electrical and Electronics Engineers (IEEE) Student Branch, CSVTU**
5) **Head Co-ordinator of Official Tourism Club of UTD-CSVTU, Sponsored by AICTE, Central Government, India.**

Awards & Achievements

- Secured 2nd Position For my Project on AI ChatBot: - TENET BOT at Hackathon Contest.
- Won various Computer equipment and Certificate for My Presentation on National Science Day Celebration 2023.   certificate
- Got 2nd position in INTRA-UTD HACKATHON on innovation and research.
- Certificate of Appreciation for Promoting the National Education Policy for Technical Education Excellence and Scientific Terminology in Indian Languages, held on 23-24 June,2023.   certificate
- Best Anchor Award on National Science Day Celebration 2024 For the Theme of Global Science for Global Wellbeing.
- Demonstrated my Research Paper on "Algorithmic Trading" :-"Designing Efficient Pair-Trading Strategies using cointegration for the Indian Stock Market" in the IEEE conference.   Kartik research paper

- Won the National level Data Analysts Hackathon organized by INFED, IIM Nagpur.   IIM CERTIFICATE