

Tejas Shinkar

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Education

K.K. Wagh Institute of Engineering Education and Research

Expected 2025

Bachelor of Engineering in Artificial Intelligence and Data Science (GPA: 7.75 / 10)

Nashik, MH

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in DS (Python), Artificial Intelligence

Experience

Cognifront

Dec 2023 – Jan 2024

Software Development Intern

Nashik, MH

- Implemented Pandas-like data manipulation functions, improving the handling of tabular data and expanding capabilities for PHP developers.
- Developed Scikit-Learn-inspired functionalities, including linear regression and logistic regression, showcasing expertise in integrating machine learning tasks into PHP applications.
- Successfully addressed algorithmic optimization challenges, implementing K-means clustering and K-nearest neighbors algorithms in PHP.

Projects

Property Value Forecast | *Python, ML, Linear Regression, Hyper-Parameter Tuning, Data manipulation*

- Developed a house price prediction model using Linear Regression, achieving a testing accuracy of 81.83%.
- Applied advanced feature engineering techniques and outlier removal to enhance model performance.
- Utilized K-Fold Cross Validation and Grid Search CV to ensure robust model performance and optimize parameters for accurate predictions.

Discord Bot | *BeautifulSoup4, imaplib, Discord API*

- Maintained a Discord bot developed in Python for continuous daily usage over a span of two years, demonstrating reliability and stability.
- Implemented a feature within the Discord bot to scrape and retrieve email bodies from selected emails, enhancing the bot's functionality and utility for users.
- Extended the bot's capabilities by integrating with Reddit, allowing it to fetch and display the most popular posts, enriching user engagement and content discovery.

Spotify to YouTube Migration | *Python, Jupyter, SpotifyAPI, YouTubeAPI*

- Created an efficient script using Spotipy and YTMusicAPI libraries for seamless migration.
- Recognized and addressed limitations in Spotify Premium features, providing a solution. Received positive feedback for improving music playlist management and user satisfaction.
- Achieved a consistent 98% success rate in accurately migrating songs during the playlist transfer process.

Technical Skills

Languages: Python, SQL, C, C++

Technologies: SQLite, MySQL, Jupyter Notebook, MS Excel, Canva, Google Cloud Platform

Concepts: Operating System, Artificial Intelligence, Machine Learning, Neural Networks, Database Normalization, Cloud Computing

Activities

E-Yantra

Sept 2022 - April 2023

Team-Member

- Conceptualized the ICT Hub on Wheels project for the E-yantra Innovation Challenge (EYIC) hosted by IIT-Bombay.
- Executed the project with dedicated involvement over 8 months, resulting in the successful advancement to the semi-finals.
- Effectively measured progress through project milestones, team collaboration, and impactful interactions during the MIT-WPU event, showcasing adaptability, innovation, and problem-solving skills.