

Kanika Pandey

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Education

NANHI PARI SEEMANT ENGINEERING INSTITUTE

Bachelor of Technology in Computer Science and Engineering

July 2019 – July 2023

GPA: 7.6/10.0

CYNTHIA SENIOR SECONDARY SCHOOL

Intermediate in PCM

April 2018 – July 2019

GPA: 8.4/10.0

Experience

LIVEKEEPING TECHNOLOGIES PRIVATE LIMITED

September 2024-Present

System Engineer

Noida, Uttar Pradesh

- Technologies used – C#, MongoDB, JSON, Kibana, DotNetFramework 4.5,.
- Working on the Tally Data Connector (TDC) system, which fetches data from both Tally ERP and Tally Prime using XML requests and synchronizes it to a MongoDB database. Assisting with the data synchronization processes, ensuring accurate and efficient transfer of data from Tally ERP to MongoDB.
- Troubleshooting and resolving data flow issues to improve system performance, reliability, and user experience.
- Supporting the system architecture built on MVVM(Model-View-ViewModel) to maintain modularity, scalability and maintainability.
- Collaborated with the frontend team for the integration of the web view feature to display synchronized data.

SOURCEDOTCOM

December 2023 – September 2024

Junior Software Engineer

Gurgaon, India

- Technologies used – C#, OracleSQL, MySQL, MongoDB, JSON, DotNetFramework.
- Developed and maintained scalable and secure APIs for stakeholders, ensuring seamless integration of user authentication, product management, and order processing modules.
- Contributed to database design, testing, optimizing performance and reliability. Implemented caching technique for fetching data from database which reduced latency for customer fetching the same data significantly.
- Expertise in API integration and ensuring compatibility between different systems. Implemented robust security measures, JWT and AES Cryptography algorithm to protect APIs and sensitive data while ensuring compliance with industry standards and regulations.
- Collaborated with cross-functional teams, including front-end developers and QA, to ensure smooth end-to-end functionality.

CHEGG

Remote, India

Subject Matter Expert

- Solving Computer Science subject problems.
- Providing pictorial answers.
- Doubt clearance and points reviewing.

Projects

TALLY DATA CONNECTOR (TDC) | C#, DotNet Framework 4.5, MVVM Model, MongoDB

September 2024 – Present

- Fetching data from Tally ERP and Tally Prime using XML requests, ensuring seamless and accurate data synchronization.
- Assisting in optimizing data flow processes to maintain smooth data transfer and integrity between Tally and the MongoDB database.
- Supporting the MVVM (Model-View-ViewModel) architecture, contributing to system modularity and scalability.
- Collaborating with the frontend team to integrate the web view feature, enabling users to view their synchronized data.
- Working with the team to implement error handling mechanisms to ensure data consistency and minimize sync issues.
- Implementing and managing three types of data synchronization: Auto Sync, First Sync, and Resync, to ensure accurate and real-time data transfer.
- Contributing to performance optimization efforts, handling large datasets and ensuring system efficiency during sync operations.

AR RECORDS | *C#, DotNet Framework 6.0, RestApi, Oracle DB, jQuery***December 2023 – August 2024**

- Worked on the AR Records project, an army-related system designed for managing records and data efficiently. Assisting in optimizing data flow processes to maintain smooth data transfer and integrity between Tally and the MongoDB database.
- Built APIs using .NET Framework 6.0 to support system functionality and data integration.
- Integrated Oracle DB to handle large-scale data storage and retrieval.
- Used jQuery to connect the frontend with backend APIs, ensuring smooth communication between the client and server.
- Developed the frontend using HTML, ensuring a user-friendly interface for record management.

CUSTOM FOOD APP RESTful API DEVELOPMENT | *C#, DotNet Framework, JWT Token, MySQL***December 2023 – December 2023**

- Led the development and integration of a robust food app api, optimizing user experience and functionality (Back-end and Database).
- Utilized C# language features and .NET Framework libraries to create a secure and efficient API for managing user authentication, order processing, and menu management functionalities. [Github](#)

DIABETES PREDICTION MODEL | *Python, Machine Learning***November 2023 – December 2023**

- A project based on machine learning supervised algorithm to predict diabetes in a population.
- Used data preprocessing, Exploratory Data Analysis and Feature selection to analyse the factors that impact the chances of diabetes in a population. [Github](#)

OTHER PROJECTS:**SECURE PASSWORD RECOVERY:** Implementing OTP-based Reset for Enhanced Account Security. [Github](#)**ENCRYPTION AND DECRYPTION:** RestfulApi for hospital rolebased login.**Technical Skills**

Programming Languages: C#, Java , SQL, HTML, CSS**Developer Tools/Frameworks:** .NET Framework, Postman**Databases:** MongoDB, MySQL**IDEs:** Visual Studio code, Eclipse**Web Services:** RESTful APIs , Azure**Relevant Coursework:** Linux(basic), Git, Computer Networks, Operating System, Data Structure and Algorithm(basic)**Miscellaneous**

Interest: Travelling, Reading Books, Binge Watch**Soft Skills:** Focused, Diligent