

SANIDHYA KUMAR TIWARI

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Education

Gautam Buddha University (currently GBU), India

Aug 2019 – Jul 2023

- B.TECH - CSE | CGPA: 8.77/10

Kendriya Vidyalaya (KVS), India

Apr 2017 – May 2018

- AISSCE (Class XII)

Kendriya Vidyalaya (KVS), India

Apr 2015 – May 2016

- AISSE (Class X), CGPA: 9.8/10

Skills

Proficient : C++ | C | Data Structure and Algorithm

Familiar : Python | Machine Learning | JavaScript | NodeJS | React | MongoDB | Java Programming | MySQL | Git

Work Experience

INeuron.AI | INTERN

Mar 2023 – Aug 2023

- Implemented JsonWebToken for authentication and authorization of login.
- Implemented techniques such as pagination, CronJob, and transactions in mongo DB for multiple API instances.
- Designed a systematic database architecture, executed CRUD operations, and retrieved data using REST APIs.
- Designed robust frontend using React and the react framework, also integrate third party payment method .
- Generated comprehensive high-level and low-level documentation along with essential flowcharts.

Projects

Shopping Ecommerce Application | MERN

Feb 23 - March 23

Three-Tier Full Stack web application that can perform all functions that a standard app can do.

- Developed during my internship at INeuron.
- Used MVC architecture to build both the Frontend and Backend .
- Designed a structured database using MongoDB that can perform CRUD operations & fetch data using REST APIs.
- Capable of handling different functions of admin, user, and visitor, also integrated a payment method.

Multiple Disease Prediction System | ML, Python

Aug 22 - Sept 22

This is web application that can predict three diseases at one place.

- Used different machine Learning algorithm for different disease Predictions with greater accuracy and precision.
- Utilized Flask server with Streamlit for frontend, capable of retrieving data from local server and cloud database.
- Trained the model using a Kaggle dataset comprising over 10,000 real patient records.
- Integrated a graph feature for generating graphical information.

To-Do List | MERN

Jul 22 - Aug 22

Developed an impactful frontend for a robust To Do application, leveraging an Express server and MongoDB database, with a eye-catching React frontend.

- Capable of performing CRUD operation with a feature of giving priority to important tasks or tasks having early deadline.
- Planning to implement more features such as message alert and integration with smartwatches.
- Utilized REST APIs and an alarm system to get informed before deadlines.

Academic and Extracurricular Achievements

- Attained the top rank in the department during the 6th Semester – 1 out of 162 students.
- Represented the State at KVS National Sport Meet (Athletics) - IIT Kanpur.
- Gold Medal in Athletics – Shauryotasva GBU.
- Rajya Puraskar – Scout and Guide - KVS.

Technical Certificate

Database Management System | NPTEL

Jul 21 – Sept 21

- Gained both technical and theoretical knowledge of MySQL.
- Successfully Cleared proctored exam.

Data Structure and Algorithm using C++ | Coding Ninjas

Apr 23 – Nov 23

Positions of Responsibility

Sport Coordinator | Shauryotasva

Nov 19 - Present

- Manage my hostel team, securing the First Position for three consecutive years.

Scout Leader | Scout and Guide Camp

Jun 16 – Jul 16

- Lead a team of 20 junior Scouts, successfully executing tasks that contributed to the camp's recognition as best Scout leader of the year.
- Awarded the Best Leader Badge of the camp.