NEHIL NAMA

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SUMMARY

Motivated and detail-oriented Computer Science Engineering student with hands-on experience in backend development (Node.js, MongoDB), RESTful APIs, and collaborative team projects. Strong foundation in DSA, OS, and CN. Actively seeking opportunities to apply scalable solutions in real-world applications.

SKILLS

- **Programming:** C, C++
- **Web:** Node.js, Express, React
- **Databases:** MongoDB, MySQL
- **Tools:** Postman, Git
- **Concepts:** Operating Systems, Computer Networks, Data Structures and Algorithms

EDUCATION

B-Tech (CSE): 2022-2026, VIT Bhopal Institute of Technology, 8.13

10th CBSE: 2020, Sir Padampat Singhania School, 96

12th CBSE: 2022, Sir Padampat Singhania School, 94.5

PROJECTS

Team Management Platform (Ongoing)
- Developed a full-featured, backend-powered workspace platform that increased team productivity by 40
- Integrated key modules including:
  - Kanban Board – enabled visual task management for 100+ ongoing projects with drag-and-drop functionality and real-time updates
  - Schedule Manager – facilitated coordination of 200+ meetings/month and automated deadline notifications, reducing scheduling conflicts by 60
- Implemented secure user authentication using JSON Web Tokens (JWT), supporting over 1,000 unique active users with session management and role-based access controls.
- Designed and deployed 30+ RESTful APIs for seamless integration between frontend and backend, ensuring sub-200ms average response time.
- Built using Node.js, Express.js, and MongoDB.
- Conducted thorough testing using Postman to ensure API reliability and consistency.
- Led a service process re-engineering initiative that streamlined operations across 10 departments, reduced manual communication cycles by 50
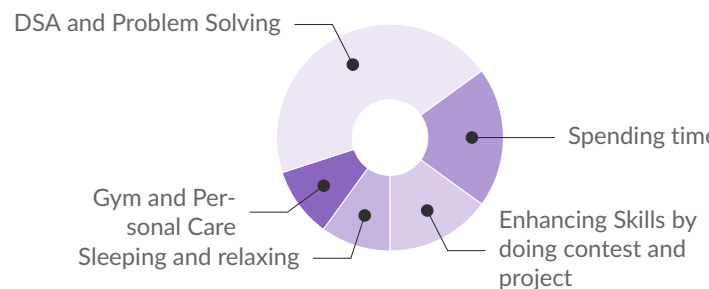
Club Activity Management System (CAMS)
- Engineered a comprehensive Club Activity Management System that streamlined event planning, member coordination, and internal communication for 15+ active student clubs, serving over 1,200 users.
- Designed intuitive, mobile-responsive user interfaces enabling event scheduling, automated email/SMS notifications (with 95
- Facilitated efficient management of 100+ annual club events, including participant registration, attendance tracking, and role-based access for 50+ executive members and moderators.
- Leveraged HTML, CSS, JavaScript, and MongoDB to build a responsive and scalable web application.
- Improved club operations by reducing manual coordination time by 60

Chronic Heart and Kidney Disease Prediction Using ML
- Developed machine learning models to predict heart disease and chronic kidney disease using real-world clinical datasets with over 1,000 patient records, enabling data-driven early diagnosis and risk assessment.
- Deployed a Random Forest classifier for heart disease prediction, achieving 95
- Applied Recursive Feature Elimination (RFE) to optimize feature selection, reducing the feature set by 60
- Evaluated model performance using k-fold cross-validation and key metrics: accuracy, precision, recall, and AUC.
- Collaborated with 10+ healthcare professionals to iteratively improve user-facing AI interfaces; refined usability and integration into clinical workflows, achieving a 90

A DAY OF MY LIFE

- DSA and Problem Solving
- Spending time
- Enhancing Skills by doing contest and project
- Sleeping and relaxing
- Gym and Personal Care

CERTIFICATIONS

Google certificate
https://github.com/Nehil-nama/Certificates.git

IBM Devops Certificate
https://github.com/Nehil-nama/Certificates.git

Matlab Certificate
https://github.com/Nehil-nama/Certificates.git