Nikhil Kumar

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EDUCATION

Indian Institute of Technology Palakkad, *Bachelor of Technology*   11/2020 – 06/2024 | Palakkad, India
- Electrical Engineering, Cumulative GPA: 8.02 (till 7th semester)

PROFESSIONAL EXPERIENCE

Satcard| Software Developer Intern ✐   05/2023 – 07/2023 | Remote
- Demonstrated exceptional skills in frontend enhancements and backend optimizations during my tenure.
- Created WhatsApp notification and admin Dashboard Features.
- Developed a dynamic "Reports Page" to get a tabular format summary for all key parameters on the admin side, allowing for quick data analysis and reduced decision-making time.

Business Web Solutions| Full Stack Web Developer Intern ✐   01/2023 – 03/2023 | Remote
- Developed responsive webpages, integrated APIs, and resolved multiple bugs.
- Contributed to designing the shopping cart layout for the website.
- Played a key role in enhancing the web page's responsiveness.

PROJECTS

Farmer Dashboard, *HTML, CSS, JS, Python, Django, MySql* ✐   09/2023 – 04/2024
- Developed a dashboard to provide farmers with real-time data about their crops and fields, offering valuable insights for better decision-making.
- Implemented efficient algorithms to display different crop stages, and integrated weather forecasts using a weather API to aid in agricultural planning.
- Designed and built 6 functional cards serving distinct purposes, including Google Maps integration, weather forecasting, and various graphs for parameters like temperature and pressure.
- Did backend optimizations to ensure efficient performance, reducing server load and improving response times.
- Conducted extensive research and collaborated with stakeholders to iterate and improve the dashboard, now deployed in an early stage with plans for future enhancements based on user feedback.

Portfolio, *MongoDB, Express.js, ReactJS, Node.js* ✐   06/2023 –07/2023
- Created a portfolio website using the MERN stack, allowing for the streamlined addition and management of new projects and data, reducing manual coding time by 30%.
- Highlighted a diverse range of projects and outlined the journey as a full-stack web developer, demonstrating proficiency in frontend and backend technologies.
- Used ReactJS, Three.js, and Material UI themes for frontend development, and ExpressJS and MongoDB for the backend.
- Established a connection between the front end and the MongoDB database using Mongoose, ensuring efficient data retrieval and storage.

Grammar Checker by OpenAI API, *Python, PyQt6, OpenAI API* ✐   07/2023 – 08/2023
- Developed a grammar checking application using PyQt6 and OpenAI API.
- Implemented a tab-based interface for efficient multitasking, allowing users to work on multiple grammar checking sessions concurrently.
- Created an intuitive platform for users to enhance grammar and syntax in written content, saving an average of 15 minutes per session and boosting overall productivity.

SKILLS

Programming Languages (C++, Python)	**Tools / Platforms** (Git, GitHub, Visual Studio)
Core (OOPs, OS, DBMS, DSA)	**Databases** (SQL, MongoDB)
CP(Specialist at Codeforces ✐)	**Web Development** (HTML, CSS, JS, React, Express, Node, Django)

POSITIONS OF RESPONSIBILITY

Web Development Head
Core Team Member of the Web Development Team at IIT Palakkad

Group Incharge
Led a Team of 4 members in executing a lab Project(Non-Contact Wheel RPM Control and measurement system)

CERTIFICATES

- Introduction to C++ ✐
- Data Structures in C++ ✐