Prithwish Adhikari

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ABOUT MYSELF

As a proactive and results-focused professional, I excel in time management and problem-solving. My adaptability and reliability enable me to quickly acquire new skills to tackle challenges effectively. I thrive in collaborative environments and am passionate about driving innovative solutions that enhance productivity and efficiency.

EDUCATION

- **Beurgram High School (Secondary Education)**   **Under WBBSE**
  Grade:92.3 %   *Passing year – 2018*

- **Irhpala Krishna Mohan Institution (Higher Secondary)**   **Under WBCHSE**
  Science; Grade:89.6 %   *July 2019 - July 2020*

- **College of Engineering and management ,Kolaghat**   *July 2020 -July 2024*
  Bachelor of Technology - Computer Science and Engineering
  DGPA: 9.25

Courses: Operating Systems, Data Structures and Algorithms, Analysis of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases.

SKILLS SUMMARY

Technical Skills:
- **Programming Languages:** Java(oops), C, JavaScript, HTML5, SQL.
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Tailwind CSS.
- **Tools & Databases:** Git, MongoDB, MySQL.
- **Platforms:** Linux, Windows, Web.

Soft Skills:
- Proficient In Problem-Solving, Collaboration, Adaptability, Time Management, Leadership, And Effective Communication.

EXPERIENCE

- **Agni Green Power Limited** — Kolkata, West Bengal, India
  Full Stack Developer | Aug 2024 – Present

  - Built and maintained high-performance web applications, ensuring scalability and user-centric design.
  - Enhanced database operations to streamline data access and improve overall application efficiency.

  Key Projects:

  - **Remote Monitoring System (RMS) & Solar Plant Dashboard**
    Implemented a **Remote Monitoring System** for real-time tracking of solar plant data, enhancing operational efficiency. Developed an interactive **Dashboard** for visualizing key metrics, and an intuitive **Admin Panel** for streamlined management and user control.

  - **Product and Project Monitoring System:** A Product and Project Monitoring System (PPMS) for the solar industry streamlines management of solar projects and products by providing real-time data monitoring, task scheduling, and predictive maintenance. It enhances decision-making through data visualization and reporting tools, ensures regulatory compliance, and promotes cost savings by optimizing resource allocation. Ultimately, a robust PPMS increases operational efficiency and transparency, supporting the growth of sustainable energy initiatives.

- **TargetGrid** — Remote work
  Full Stack Developer Intern | *Feb 2024 - Apr 2024*

    Key Projects:
    - Contributed to the development and enhancement of a **B2B Business Intelligence platform**, delivering comprehensive data insights on companies and professionals.
    - Played a key role in building the **TargetGrid platform's** infrastructure, ensuring scalability, performance, and an optimal user experience.

PROJECTS

- **Remote Monitoring System (RMS) and Solar Plant Dashboard**
  Developed a scalable and secure Remote Monitoring System (RMS) for Agni Green Power Limited using React.js, Node.js, and Express.js. The system integrates a dynamic dashboard and admin panel, enabling real-time monitoring and management of solar plant data. The dashboard provides comprehensive data visualizations, including metrics for solar PV, grid, load, and inverter performance, with filtering options based on time intervals and global data parameters. Data export functionality is also included for efficient reporting. The backend leverages a secure authentication mechanism, while the admin panel allows for effective user management and control over system settings. This solution significantly enhances operational efficiency by providing a comprehensive, data-driven approach to solar plant management.

- **B2B Business Intelligence Platform**: Contributed to the development and enhancement of a platform delivering comprehensive data insights on companies and professionals.

- **Product and Project Monitoring System (PPMS):** A Product and Project Monitoring System (PPMS) for the solar industry enhances project management through real-time monitoring, task scheduling, and predictive maintenance. It improves decision-making with data visualization, ensures regulatory compliance, and optimizes resource use, ultimately boosting efficiency and supporting sustainable energy growth.

- **Agritech-Insight:(MERN+ML+API Integration) [Github Link](#)**
  Incorporated React.js for frontend development, seamlessly integrating image recognition, environmental analysis, predictive modeling, weather forecasting, and secure authentication. Enabled rapid identification of crop diseases, tailored soil recommendations, and precise fertilizer predictions for efficient nutrient management. Empowered farmers with a suite of tools for informed decision-making, bolstering yields, and promoting sustainable agricultural practices.

- **Docx viewer. [Github Link](#)**
  Using React I make a UI where we view, rotate, zoom out and zoom in , download a docx file .

- **Develop an extension that offers a to-do list interface, allowing users to manage tasks while browsing. [Github Link](#)**
  Developed a productivity-focused Chrome Extension employing HTML, CSS, and JavaScript. The extension seamlessly integrates a user-friendly to-do list interface, leveraging local storage for persistent task management during web browsing.

- **Techook- The Blogging Application. [Github Link](#)**
  Developed a responsive blogging application using **React, Node.js, Express, and MongoDB** with the following features:

    - Implemented user authentication, post management (CRUD), and dynamic routing for seamless content creation.
    - Built interactive features including comments, likes, and search functionality with titles.
    - Created an admin dashboard with analytics visualization and post management capabilities.
    - Integrated post preview and real-time content moderation tools
    - Tech stack: React, Node.js, Express, MongoDB, Tailwind CSS, Axios
    - Designed responsive UI using Tailwind CSS with mobile-first approach and custom component library.

- **Vite + React + Tailwind CSS Starter Template. Npm Link**
  A modern, pre-configured starter template that combines Vite, React, and Tailwind CSS with a well-organized project structure. This template includes routing setup, layout components, and essential directory organization to help you start building React applications faster.

CERTIFICATES

- **CS50's Introduction to Computer Science Certificate Link**
  CS50x is Harvard's introductory computer science course covering algorithms, data structures, software engineering, C, Python, SQL and Web development.

- **Introduction to Web Development with HTML, CSS, JS**. **Certificate Link**
  Grade: 80.52%
  Completed a course offered by IBM on the Coursera platform. It covered web development with HTML, CSS, and JavaScript, introducing the fundamentals.

- **Machine Learning for All-University of London. Certificate Link**
  Grade:100%
  This Coursera course will teach me the basics of machine learning, how data impacts model results, how to train models, and how to evaluate the societal benefits and risks of machine learning.

RESEARCH WORK

Contributing in an Inhouse research project named as **'Preparing and Annotating a Set of Categorized Data from the Online Newspaper Archives for Different Research Works in Computational Linguistics (Bengali, as a case study)',which is published in IEEE Journal. Publication Link**

EXTRACURRICULAR INVOLVEMENTS

- Active member of CEMK- Hackathon committee.
- Head coordinator of 'Fine arts and Decoration' the college's General-council.
- Select as a male-student member of college's anti-sexual harassment committee.