

Prashant Saini

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PROFILE SUMMARY

- Recent B.Tech graduate in Information Technology with expertise in **full-stack development**, **data structures** and **algorithms**.
- Proficient in **frontend technologies** (HTML, CSS, JavaScript) and **backend technologies** (Node.js, Express.js, MongoDB).
- Engineered** multiple full-stack applications including **MyLibrary**, a CRUD application, and **I Tech World**, an interactive educational platform.
- Dedicated to **continuous learning** and skill enhancement in software development while pursuing **full-stack web development** roles.

EDUCATION

Dr. A.P.J Abdul Kalam Technical University

Bachelor of Technology in Information Technology – CGPA: 7.86

Lucknow, UP

Nov. 2020 – July 2024

Relevant Courses: Data Structures and Algorithms, Software Methodology, Web Technology, Computer Networks, AI, Operating Systems, Database Management, Object-Oriented Programming (OOP)

Experience/PROJECTS

MyLibrary / Node.js, EJS, MongoDB, JavaScript, Express.js, RESTful APIs

Nov 2024 – Dec 2024

- Built** a full-stack CRUD web application for managing books and authors, achieving **98% data accuracy** through optimized database schema design using **MongoDB**.
- Designed** and **implemented** RESTful API endpoints for book management with user authentication, resulting in **100% authentication success rate** during user acceptance testing.
- Implemented data validation and security measures using **JWT** and **bcrypt**, enhancing data integrity and **system security**.
- Integrated** MongoDB for seamless data storage, providing efficient **database** queries and enhancing **overall app performance** by **20%**.

I Tech World / HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Chatbot

Oct 2023 – Jan 2024

- Created** a responsive educational platform using **HTML**, **CSS**, and **JavaScript** for high school (10th–12th grades) and engineering students, **optimizing** for mobile and desktop.
- Incorporated** advanced features such as a custom chatbot, **quiz functionality** (via Google Forms), **user login/logout** system, and **premium course access**, achieving **95% user engagement rate**.
- Integrated real-time user interaction with a **RESTful API**, achieving seamless content updates and improved **platform** responsiveness.

Heart Disease Prediction / Python, Pandas, NumPy, Sklearn

May 2023 – Jun 2023

- Developed** a machine learning model to predict heart disease, utilizing Kaggle's comprehensive medical **datasets**.
- Achieved **87% accuracy** on validation datasets, exceeding baseline performance by 10%, with precision rates of **90%** for **positive cases** and **85%** for **negative cases**.
- Applied data preprocessing techniques such as **scaling**, **normalization**, and outlier detection to **improve model** performance by **10%**.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript

Frontend Technologies: HTML, CSS, EJS, React.js

Frameworks & Libraries: Node.js, Express.js, Sklearn, Pandas, NumPy, WordPress

Database Management: MongoDB, SQL

Development Tools: Visual Studio Code, GitHub, Google Colaboratory, Power BI

API Design & Integration: RESTful APIs, Postman

Productivity Software: Excel, Notion, Custom Chatbot

CERTIFICATIONS

- Problem-Solving Techniques (Java) Certification — HackerRank ([Verified Credentials Available](#))
- CSS (Basic) Certification — HackerRank ([Verified Credentials Available](#))
- Generative AI Project Planning — AWS Skill Builder ([Verified Credentials Available](#))

INTERESTS

- Technology and Innovation Enthusiast.
- Building responsive websites and exploring various web frameworks to create impactful user experiences.
- Reading tech blogs and contributing to open-source projects.