Shivam Pandey

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EDUCATION

Dr. B.R. Ambedkar National Institute of Technology   Jalandhar,India
Bachelors of Technology in Computer Science and Engineering ; CGPA: 8.36   November 2022 - Present

Central Hindu Boys School   Varanasi,India
Class XII (CBSE); Percentage: 94%   July 2019 - July 2021

Sacred Heart Senior Secondary School   Mau,India
Class X (CBSE); Percentage: 96.4%   March 2017 - July 2019

WORK EXPERIENCE

Placement Portal NIT Jalandhar   (Website Link)
- Developing a scalable placement portal using the MERN stack, featuring dynamic form generation, auto-filled applications, and automated eligibility matching to streamline recruitment workflows.
- Integrated real-time data export to Excel and optimized role-based access control, enhancing accuracy, efficiency, and user experience for recruiters, students, and TPOs.
- Tech Stack : NodeJS, ExpressJS, MongoDB, React.js, Redux, Tailwind CSS, CKEditor

NIT Jalandhar OIIA Website   (Website Link)
- Developing the backend system for the DIIA page and admin panel using Node.js, Express.js, and AdminJS, enabling efficient content management with real-time CRUD operations.
- Designed and implemented APIs, created models, and configured role-based access control, enhancing functionality and usability for admin users.
- Tech Stack : NodeJS, ExpressJS, MongoDB, React.js, AdminJS

PROJECTS

CrispColon   (Website Link)
- Designed and deployed a full-stack colon cancer detection website, integrating a fine-tuned EfficientNetB3 model with custom dense and dropout layers for accurate classification.
- Preprocessed a balanced dataset with augmentation techniques, ensured robust training and validation, and deployed the frontend and backend on Vercel and the machine learning model on Render.
- Tech Stack : React.js, Redux, NodeJS, ExpressJS, MongoDB, Tailwind CSS, Cloudinary, Python, Flask, Tensorflow

Trip Expenses Management   (Website Link)
- Developed a web application with OTP-based user registration and login, allowing users to create, join, and manage shared trips with expense tracking.
- Implemented features for bill splitting, payment allocation, and detailed transaction logs, providing clear insights into trip expenses and settlements.
- Tech Stack : React.js, NodeJS, ExpressJS, MongoDB, Tailwind CSS

Glucoguard   (Website Link)
- Developed a machine learning model using a Support Vector Machine (SVM) classifier to predict diabetes, with data preprocessing and standardization for optimal performance.
- Developed and launched an interactive web application using Streamlit, facilitating real-time user input for health metrics and delivering diabetes predictions
- Tech Stack : Python, Scikit-learn, Pickle, Streamlit

SKILLS

Languages: C, C++, Java, JavaScript, HTML, CSS
Framework/Library: NodeJs, React.js, ExpressJs, Tailwind CSS, Redux, WebRTC, Socket.IO
Authentication: Token Based, Session Based, OAuth
Tools & Database: Git, GitHub, Visual Studio Code, Postman, MongoDB, MySQL, CKEditor, Vercel
Soft Skill: Communication, Teamwork, Leadership, Problem Solving, Analytical skills

ACHIEVEMENTS

- 3 star at **Codechef**
- Knight at Leetcode (Max Rating **1881**) on Leetcode - **LeetCode**
- **Global Rank 208** in Biweekly Leetcode Contest 142
- Solved 300+ DSA questions on Leetcode - **LeetCode**
- 98.58 percentile in Jee Main and AIR 9887 in Jee Advanced.

AREA OF INTEREST

Data Structure and Algorithms, Web Development, Problem Solving

COURSE WORK

Database Management Systems, Object-Oriented Programming (OOPs), Operating System, Computer Network

POSITIONS OF RESPONSIBILITY

- Member of Website Development and Management Committee (WDMC) of college
- Class Representative (CR) of my batch.