Ela Vinod

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EDUCATION

Bharati Vidyapeeth's College Of Engineering(GGSIPU)   Delhi, IN
Btech in Information Technology,   *2021-2025*

Kendriya Vidyalaya No.1 Delhi Cantt   Delhi, IN
PCMB-85.3   *2021*

EXPERIENCE

NIC - Ministry Of Electronics and Information Technology   Jul 2023 – Aug 2023
Java Developer Intern | Java, Jdbc, Html, PostgreSQL, Css,Springboot

- Developed a dynamic website using HTML and CSS for the front-end interface.
- Implemented PostgreSQL for the back-end database to store and manage employee data.
- Utilized JDBC to connect the web application with the PostgreSQL database.

NHAI - Amnex   Jul 2024 – Aug 2024
Project Intern | TensorFlow, Keras, CNN

- This project aims to address these challenges by developing a machine learning-based system for automated crack detection on pavement surfaces.
- detecting cracks in pavement surfaces, using Convolutional Neural Networks (CNNs) implemented with TensorFlow and Keras.
- The CNN model was trained on a comprehensive dataset of pavement images, achieving an accuracy of 88.89.

MotionCut   Jun 2024 – Jul 2024
Web Developer

- Developed and maintained company website using HTML, CSS, and JavaScript, enhancing user experience and site functionality.
- Collaborated with UX/UI designers to create responsive and visually appealing interfaces.
- Assisted in the development of user-friendly interfaces, prioritizing accessibility and usability in design.

PROJECTS

CluTrip | *Html, JavaScript, Css, Bootstrap*

- Developed a dynamic travel and tourism platform with advanced features to enhance user experience.
- Implemented an auto-suggestion feature based on user motives, providing tailored travel recommendations.
- Designed a flexible itinerary planner that adjusts plans according to user-set budgets, ensuring cost-effectiveness.
- Incorporated premium service options for users seeking luxury experiences, such as VIP tours and exclusive accommodations.

ConsultantForm | *Jdbc, Java, Springboot, PostgreSQL, Html,Css*

- Created a consultant form application using Java, PostgreSQL, and JDBC to efficiently manage consultant data.
- Developed a user-friendly interface for inputting consultant information and generating unique IDs for each entry.
- mplemented database connectivity using JDBC to store and retrieve consultant details in PostgreSQL.

Leaf-Disease Detection | *python, TensorFlow, OpenCV, pandas, NumPY*

- Developed an AI-Driven disease detection system leveraging a dataset of over 423 species,acheiving an 86.8 accuracy rate.
- Utilized advanced image processing and deep learning techniques to analyze user upload image.
- implemented a user friendly interface for real-time disease diagnosis.

KikiDelivery | *React.js, Html, Css, Javascript,Tailwind*

- Designed and implemented a responsive user interface for a food delivery platform using ReactJS.
- Designed dynamic and responsive UI components, including a product list, cart functionality, and order forms.
- Managed application state using React's Context API, ensuring efficient handling of cart operations.
- Implemented seamless navigation using React Router.

Road Crack Detection | *python,CNN,tensorflow,keras*

- This project focused on developing an advanced machine learning system for detecting cracks in pavement surfaces, using Convolutional Neural Networks (CNN) implemented with TensorFlow and Keras. The primary goal was to create a real-time crack detection tool that could automatically and accurately identify cracks under various environmental conditions.
- The goal is to create a crack detection tool that can identify and highlight cracks as they appear.
- The data for this project is collected from various sources, including: images, Sensor data , public dataset
- The project employed a dataset of 24,000 images of cracked and non-cracked pavement surfaces to train a Convolutional Neural Network (CNN) model. The model was trained for 20 epochs, optimizing its performance and achieving an accuracy of 88.89.

SKILLS

Languages: Java, PostgreSQL ,MySQL, HTML,CSS ,Excel
Developer Tools: VS Code, Visual Studio, IntelliJ, Eclipse, SpringBoot
Soft skill: Quick learner, Effective Communication, Interpersonal Skills, Problem-Solving, Teamwork, Adaptability, Creative, Time Management, Responsible

ACHEIVEMENTS

Technical

- Secured **1**st Position in poster making competition organised by **IEEE** .
- Secured top **5** team position in **GDSC** Hackathon.
- Attained top **20** position in Innerve Hackathon by **IGDTUW**.
- Participated in Major League Hacking (MLH) events.
- Organised 24hr long hackathon.
- among top teams in SIH.

Non-Technical

- Received commendation from the **Additional Director General** (ADG) in NCC.
- Completed the Ek Bharat Shrestha Bharat (EBSB) camp , the **Special National Integration Camp (SNIC)** and **Prime minister Rally(PMR)** during NCC service.
- Director of Management Affairs in ISTE.