PRATHAMESH RAUT

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EDUCATION

Bachelor of Electronics and telecommunication, Pune University — Grade 7.47
12th Maharashtra State Board, Govt.Z.P.Agarakar — Percentage:- 93.33

SKILLS

Technical Skills	Java,C++, Python, React-js, Node-js , Express-js
Developer Tools	VS Code, Git, GitHub
Database	MongoDb , MySQl
Soft Skills	Planning , Effective communication,

EXPERIENCE

Web Developer Intern — Jun 2024 - Aug 2024
Pralhad P.Chhabria Research Center,Pune

- Collaborated with the development team to build and maintain web applications using Node.js and Express js.
- Developed and implemented user authentication and registration systems to ensure secure access
- Worked on a project to sort and parse resumes for companies, extracting relevant information for streamlined recruitment processes.

PROJECTS

Dynamic movie page

- Developed a Dynamic webpage using HTML, CSS, and JavaScript to display trending movies and their ratings.
- Used the TMDb API to add real-time updates on movie data, thereby improving user engagement and experience.
- Used a user-friendly interface with seamless search functionality, which makes it easy for users to find and explore their favorite movies.
- Positive feedback was received on the design and functionality of the project, with a commitment to ongoing improvement based on user feedback. (Try it here)

Cervical Cancer Prediction

- Developed a CNN-based cervical cancer detection model to classify Pap smear images as Normal or Abnormal.
- Built a Flask-based REST API to serve the trained model and process uploaded images.
- Designed a web interface (HTML, CSS, JS) to upload images and display prediction results with accuracy score.
- Used TensorFlow, Keras, OpenCV, NumPy for model training, testing, and image preprocessing.
- Worked with a labeled cervical cancer data set and achieved high model accuracy through augmentation and adjustment.

Gesture-Driven Human-Computer Interaction

- Built a gesture-driven human–computer interaction system using Python and OpenCV for real-time hand tracking and gesture recognition.
- Implemented mouse movement and click controls through hand gestures using Autopy.
- Added gesture-based volume and screen brightness control, reducing dependency on physical buttons.
- Designed smooth cursor and motion algorithms for fast response and improved user experience.
- Released the project on GitHub as an open-source interactive control system.(Github — Released)

CERTIFICATIONS

- C++ Programming Language Course Completion by UDEMY
- MATLAB by MATHWORKS

LEADERSHIP

- Demonstrated the ability to inspire and guide teams toward achieving ambitious goals, fostering innovation, and driving collective success through clear communication, empathy, and a shared vision