

DEEP PAWAR

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SUMMARY

Aspiring Front-End Engineer with experience building interactive and user-friendly web applications. Skilled in JavaScript, React, HTML, CSS, and UI/UX design principles. Passionate about creating responsive and accessible user interfaces.

EDUCATION

Illinois Institute of Technology, Chicago, USA (Masters in Computer Science; GPA: 3.66/4.0) **Aug 2023 – May 2025**

Related Courses: Big Data Technologies, Advanced Database Organization, Cloud Computing, Project Management

University of Pune, India (BS. in Computer Engineering; GPA: 9.86/10.0)

Nov 2020 – Jun 2023

Related Courses: Web Technology, Data Structures, Software Design, Operating Systems, Artificial Intelligence

University of Mumbai, India (Diploma in Computer Engineering; GPA: 9.34/10.0)

Aug 2017 – Jul 2020

Related Courses: Advanced Java Programming, Programming with Python, Object Oriented Programming, Intro to C++

WORK EXPERIENCE

TechCiti Technologies Private Limited, Bengaluru, India

Feb 2022 – Apr 2022

Full Stack Developer Intern

- Operated with a team of 4 for 12 weeks, conducted on-site visits, and interacted with 5 hospitals to design and develop an ETL pipeline to automate data extraction and hospital databases.
- Assembled a user-friendly Python, Django-based Blood Bank Management System and developed secure RESTful APIs using Django REST Framework to enable real-time data access across departments, resulting in an 18% reduction in emergency response time and a 25% improvement in overall blood inventory management.

QuickYes Infotech Private Limited, Pune, India

May 2019 – Jun 2019

Web Developer Intern

- Formulated a web-based parking management system adopting HTML, CSS, JavaScript, PHP, MySQL, elevating parking efficiency by 20% and reducing manual errors by 35% based on staff-reported improvements post-deployment.
- Implemented responsive design principles for real-time vehicle tracking, automated charge calculation, and receipt generation, promoting revenue accuracy and operational transparency.

TECHNICAL PROJECTS

Weather Explorer App (GitHub)

Apr 2025 – May 2025

- Designed a full-stack, cloud-native weather app using React.js, Bootstrap, and JavaScript, implementing modular RESTful APIs and integrating external data sources (OpenWeatherMap, Google Maps API & YouTube Data APIs).
- Designed a responsive UI with Bootstrap and implemented CRUD functionality for managing saved searches, aligning with headless and composable architecture principles.

DDoS Attack Detection applying Random Forest Classifier (GitHub)

Jan 2024 – Apr 2024

- Led a team of 3 to develop a DDoS attack detection system achieving 81% classification accuracy using the CICIDS2017 dataset and Random Forest, improving anomaly detection in simulated real-time traffic.
- Designed a Python-based GUI for model training, testing, and attack visualization, integrating Wireshark and network traffic flow analyzer to streamline workflow.

Enhanced Encryption of Cloud Data using Hybrid Cryptography and Steganography (GitHub)

Jan 2023 – May 2023

- Managed team of 4, implemented hybrid Python, Go, and Django security system by integrating hybrid cryptographic and steganographic techniques and developed a responsive UI to enable secure file uploads & real-time encryption status.
- Improved data protection effectiveness by 20% through hybrid encryption techniques; tested in simulated cloud environments modeled for healthcare, defense, and finance sectors.

Gender and Age Detection System (GitHub)

Feb 2023 – Apr 2023

- Developed a real-time gender and age detection system using Python, CNNs, OpenCV, and Caffe model, achieving 92% accuracy for gender classification and built a user-friendly front-end dashboard with HTML, CSS, and JavaScript.
- Optimized algorithm performance for low-light scenarios, improving detection accuracy by 15%, enhancing robustness for real-world use cases such as surveillance and digital media analysis.

TECHNICAL SKILLS

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|---------------------------------|--|
| Programming Languages | JavaScript, HTML5, CSS3, jQuery, TypeScript, Java, Python, PHP |
| Frameworks | jQuery, React.js, Node.js, Spring Boot, Bootstrap, Tailwind CSS |
| Database Technologies | MySQL, PostgreSQL, MongoDB, Elasticsearch, Apache Spark |
| Tools & Technologies | AWS, JSON, XML, HTTP, Docker, Git, Jenkins, Kubernetes, Linux/Unix |

CERTIFICATIONS

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|---|-----------------|
| RESTful APIs and Web Service, Udemy (Certificate) | Jun 2025 |
| Front End Web Development Ultimate Guide, Udemy (Certificate) | Jan 2023 |
| CSS, JavaScript And Python Complete Course, Udemy (Certificate) | Nov 2022 |