DEEP PAWAR

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SUMMARY

Aspiring Software Engineer with proven experience building data-driven solutions, securing cloud environments, and developing real-time systems. Proficient in Python, Java, and AWS, with a passion for delivering reliable and scalable software in collaborative settings.

EDUCATION

Illinois Institute of Technology, Chicago, USA (Masters in Computer Science; GPA: 3.67/4.0)   **Aug 2023 – May 2025**
Related Courses: Cloud Computing, Big Data Technologies, Machine Learning, Software Project Management

University of Pune, India (BS. in Computer Engineering; GPA: 9.86/10.0)   **Nov 2020 – Jun 2023**
Related Courses: Data Structures, Software Design, Operating Systems, Artificial Intelligence, Deep Learning

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**
Software Engineering 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, resulting in an 18% reduction in response time during emergencies 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 40% and reducing manual errors by 35%.
- Implemented real-time vehicle tracking, automated charge calculation, and receipt generation, promoting revenue accuracy and operational transparency.

TECHNICAL PROJECTS

Comprehensive Customer Churn Prediction (GitHub)   **Nov 2024 – Dec 2024**
- Built predictive models (Random Forest, Logistic Regression) achieving 81.4% accuracy and a 5% F1-score boost through hyperparameter tuning.
- Applied PCA, t-SNE, K-Means, and DBSCAN to identify 25% higher churn risk in month-to-month contracts, driving retention strategies.

DDoS Attack Detection applying Random Forest Classifier (GitHub)   **Jan 2024 – Apr 2024**
- Led a team of 3 to develop an 81% accurate DDoS detection system, amplified real-time security harnessing Random Forest and CICIDS2017.
- 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, and integrated AES, ECC, LZW, LSB, and SHA-256 technologies.
- Reduced security incidents by 30%, fortified cloud data, and boosted data protection by 20% in the healthcare, military, and banking sectors.

Gender and Age Detection System (GitHub)   **Feb 2023 – Apr 2023**
- Built a real-time gender and age detection model leveraging Python, CNN, OpenCV, TensorFlow, and Caffe Model, achieving 92% gender classification accuracy.
- Identified performance gaps in low-light conditions by optimizing algorithms, improving detection accuracy by 15%, and expanding potential applications to social media, marketing, and surveillance.

TECHNICAL SKILLS

Programming Languages	Java, C/C++, Python, Go, Swift, JavaScript, C#, Ruby, HTML5, CSS3, PHP, TypeScript
Frameworks	Angular15, Node.js, React, ASP.NET, Spring Boot, Apache Kafka
Database Technologies	MySQL, MongoDB, PostgreSQL, Amazon DynamoDB, Elasticsearch, Apache Spark
Tools & Platforms	Git, Jenkins, Google Cloud Platform, AWS, JIRA, Docker, Kubernetes, Linux/Unix

ACHIEVEMENTS

- AWS Certified Data Engineer – Associate (Hands-On + Exams) (Certificate)   **May 2025**
- Python And Flask Framework Complete Course, Udemy (Certificate)   **Feb 2025**