DEEP PAWAR

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EDUCATION

Illinois Institute of Technology, Chicago, IL, USA   08/2023 – 05/2025
Masters in Computer Science, **GPA: 3.55**
Relevant Coursework: Cloud Computing, Big Data Technologies, Machine Learning, Software Project Management

Savitribai Phule Pune University, Pune, MH, INDIA   11/2020 – 06/2023
Bachelors in Computer Engineering, **GPA: 3.87**
Relevant Coursework: Computer Networks & Security, Deep Learning, Artificial Intelligence, Blockchain Technology

SKILLS

Programming Languages: Java, Swift, Kotlin, Python, C, C++, C#, JavaScript, TypeScript, PHP, Go, Ruby
Databases: MySQL, SQL Server, MongoDB, Oracle, PostgreSQL, Cosmos DB
Frameworks and Technologies: HTML, CSS, Android (Java), Flask, AngularJS, React.js, Spring Boot, AWS, DevOps

PROJECTS

Comprehensive Customer Churn Prediction (Link)   11/2024 – 12/2024
- 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 (Link)   01/2024 – 04/2024
- 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 (Link)   01/2023 – 05/2023
- 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 (Link)   02/2023 – 04/2023
- 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.

WORK EXPERIENCE

Software Engineering Intern   02/2022 – 04/2022
TechCiti Technologies Private Limited   Bengaluru, India
- Operated with a team of 4 for 12 weeks, conducted on-site visits, and interacted with 5 hospitals to address common inventory challenges and refine blood distribution demands.
- 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.

Web Developer Intern   05/2019 – 06/2019
QuickYes Infotech Private Limited   Pune, India
- 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.

LEADERSHIP EXPERIENCE

Head, Team Treasury of ACES (Association of Computer Engineering Students)   08/2022 – 06/2023
Pune Vidhyarthi Griha's College of Engineering and Technology (Certificate)
- Took initiative to spearhead a team of 10 in organizing impactful tech events, such as Python workshops, coding contests, and inter-state project competitions. Secured vendor sponsorships, increasing event funding by 30%.

CERTIFICATIONS AND HONORS

- Python And Flask Framework Complete Course, Udemy (Certificate)   02/2025
- Front End Web Development Ultimate Guide (Certificate)   01/2023