KOTAGIRIWAR PRIYA

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LinkedIn | GitHub | LeetCode | HackerRank

OBJECTIVE

Motivated Computer Science undergraduate with a strong foundation in data structures, algorithms, and object-oriented design. Experienced in full-stack development, time series modeling, and building scalable web applications using Python, Django, and React. Passionate about building high-performance software solutions and eager to contribute to Oracle's enterprise technology ecosystem.

EDUCATION

Chaitanya Bharati Institute Of Technology, Hyderabad
B.E. in Computer Science and Engineering   2022 – 2026
CGPA: 9.85

RELEVANT COURSEWORK

Operating Systems, Computer Networks, Data Structures and Algorithms, Machine Learning, Database Management Systems, Object-Oriented Programming.

EXPERIENCE

Software Engineering Intern | Providence India   Hyderabad | Jun 2025 – Aug 2025
- Designed and implemented time series forecasting models (LSTM, GRU, TCN, Informer) to predict weekly VM resource usage, optimizing infrastructure planning for enterprise environments.
- Developed a dynamic vulnerability severity scoring system by integrating business context from CMDB, internal threat data from Rapid7, and public vulnerability metrics from NVD, enabling more accurate risk prioritization and laying the foundation for automated remediation workflows.

Infosys Springboard Python Intern | Django Developer   Remote | Mar 2024 – Jun 2024
- Developed and deployed event management features in Django, including user registration, admin panels, and media galleries. Worked in a Linux-based environment using Git for version control, ensuring clean, maintainable code and responsive performance.

PROJECTS

FileEase – File Compression Tool |GitHub | Demo   *Python, Huffman Coding*
- Developed a Huffman Coding–based file compression utility with a clean web interface, enabling real-time upload, compression, and decompression. Emphasized algorithmic efficiency, file security, and a user-friendly experience.

Customer Segmentation with Clustering Techniques | (GitHub)   *Numpy, Pandas, Seaborn, Sklearn*
- Conducted end-to-end segmentation analysis on an online retail dataset using RFM (Recency, Frequency, Monetary) metrics to understand customer behavior.
- Performed EDA, outlier detection, data preprocessing, and applied clustering algorithms: K-Means (Elbow & Silhouette methods), Gaussian Mixture Models, and generated actionable business insights by profiling clusters and interpreting purchasing patterns.

React Portfolio Website | GitHub | Live Demo   *React.js, GitHub Pages*
- Created a dynamic, responsive portfolio using React to highlight projects, skills, and resume access. Utilized reusable components and client-side routing for smooth navigation, and deployed it on GitHub Pages with a clean, performance-optimized UI.

SKILLS

Programming Languages:	Python, Java (basic)
Web & Backend Development:	Django, React
Tools & Platforms:	GitHub, VS Code
Data Science & ML:	Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib
Databases:	SQL, SQLite3, MongoDB
Core CS Concepts:	Object-Oriented Programming (OOP), Data Structures and Algorithms, DBMS, Operating Systems, Computer Networks

CERTIFICATIONS

- Python Young Professional - **Infosys SpringBoard**
- Software Engineer Intern - **HackerRank**
- Data Science Foundation Certification - **Infosys Springboard**

ACHIEVEMENTS

- Remarkable TS EAMCET Rank of 584 and JEE MAINS Percentile of 96% demonstrating competitive spirit.
- Special Mention in Hacktober Hackathon 2024 and selected in the top 12 teams in HackIndia, India's biggest Web3 and AI Hackathon.