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| **Objective** | |
| "Final-year Data Science engineering student with a solid academic foundation and hands-on experience in data analysis, machine learning, and software development; passionate about leveraging data-driven solutions to address real-world challenges and eager to contribute to impactful AI and data science projects." | |
| **Projects** | |
| **Empowering Rural Healthcare Through AI Solutions** *Jan 2025 – Apr 2025 | Team Size: 4* **Technologies/Tools:** AI/ML frameworks, Telemedicine platforms, Literature-based analysis   * Researched rural healthcare challenges (specialist shortage, delayed diagnostics, weak infrastructure). * Evaluated AI solutions (telemedicine kiosks, AI diagnostics, maternal monitoring) for rural adaptability. * Proposed an AI-driven framework for data collection, diagnostic support, patient triaging, and training. * Case study showed **25% improvement in early disease detection** and **50% fewer unnecessary hospital visits**. * **Outcome:** Developed a scalable framework to improve accessibility, reduce delays, and optimize resources.   **SafeInbox: Real-Time Email Spam Detection**  *Feb 2025 – May 2025 | Team Size: 4*  **Technologies/Tools:** Python, Scikit-learn, React.js, Node.js, MongoDB, IMAP, Docker   * Built a machine learning pipeline (Naïve Bayes, Logistic Regression, SVM) for real-time spam detection. * Integrated IMAP for Gmail fetching and developed a MERN-based dashboard with search, sort, and spam filters. * Designed a secure frontend with authentication and MongoDB connectivity; deployed using Docker for scalability. * Achieved **~94% spam detection accuracy** with reduced false positives.   **Genomic Data Dimensionality Reduction & Clustering Analysis** *Feb 2025 – Apr 2025 | Team Size: 2* **Technologies/Tools:** Python, Scikit-learn, Pandas, Matplotlib, Seaborn, Numpy   * Applied SVD and NMF for dimensionality reduction on high-dimensional genomic datasets. * Conducted exploratory data analysis (variable gene identification, correlation heatmaps, visualization of top genes). * Performed K-Means clustering, achieving **ARI scores: 0.6592 (SVD) and 0.5611 (NMF)**. * Validated biological separation using Random Forest classification on reduced features. * **Outcome:** Built a reproducible Python framework balancing SVD’s numerical accuracy with NMF’s interpretability.**Lost & Found Mobile Application** *Feb 2025 – Apr 2025 | Team Size: 4* **Technologies/Tools:** React Native, SQL, REST APIs, JWT Authentication * Developed a cross-platform mobile app for reporting, searching, and claiming lost or found items. * Implemented JWT authentication and role-based access control with AES-256 secure storage. * Built REST APIs with SQL backend, achieving **<100 ms latency** and **99.9% uptime** * **Outcome:** Delivered a secure, scalable, and user-friendly platform enhancing item recovery efficiency and trust. | |
| **Education** | |
| **Graduation stream, NIIT University** | **2022 to 2026** |
| CGPA:5.43 | |
| **XII, Sri gayatri junior college, Hyderabad, Telangana (state board)** | 2022 |
| **X, New Era School, Khammam, Telangana (state board)** | 2020 |
| **Skills** | |
| **Languages:** Python, JavaScript, Java, R **Frontend:** HTML, CSS, android studio, React, Next.js **Backend:** Node.js, Express.js, Django, REST APIs **Databases:** MySQL, MongoDB **Machine Learning Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow **Cloud Technologies:** AWS (EC2), Microsoft Azure, Google Cloud **Version Control:** Git, GitHub | |
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