

Dharaneesh Dhupam

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Education

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| Indian Institute of Information Technology, Kurnool CGPA: 7.19/10 <i>Bachelor of Technology (B.Tech) in Electronics & Communication Engineering with a Minor in Machine Learning & Data Science</i> | 2020 – 2024 |
| Dr. B.R. Ambedkar Open University Hyderabad, India CGPA: 7.45 / 10 (First Division) <i>Bachelor of Arts in Economics, Sociology & Public Administration</i> | 2022 – 2025 |

Experience

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| Founder & CEO <i>Systems Change, Inc. (Incorporated Sept 2025, Delaware) sysc.land</i> | Oct 2023 – Present <i>Remote</i> |
| <ul style="list-style-type: none">Founded and led development of a decentralized property transaction platform enabling users to find, buy, sell, and manage land records securely online.Designed and implemented cryptographically verifiable records using Post-Quantum Digital Signatures (ML-DSA) for immutable, tamper-proof storage.Built interactive geospatial mapping and property visualization features with remote sensing capabilities.Architected backend infrastructure with Django, Kubernetes, and GCP, ensuring scalability and fault tolerance; moved to a decentralized design using IPFS storage.Currently leading GTM and government integration strategy for next-generation property administration systems.<i>Tech Stack: Python, Django, JavaScript, HTMX, PostgreSQL, FrankeUI, Kubernetes, GCP</i> | |
| Research Intern <i>IIIT Kurnool, Dept. of Computer Science</i> | Dec 2023 – Apr 2024 <i>Kurnool, India</i> |
| <ul style="list-style-type: none">Developed a robust AI system for detecting and classifying wheat crop diseases using deep learning techniques.Implemented and fine-tuned models like VGG19 and ResNet50, achieving high accuracy in image-based disease identification to aid farmers in reducing yield losses. | |

Projects

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| AI-Assisted Blog Platform (seaofus.com) <i>Django, HTMX, Llama 3.1, Flux, Docker</i> | Sep 2024 – Apr 2025 |
| <ul style="list-style-type: none">Built a full-stack blogging platform from scratch (similar to Medium) using Python, Django, and FrankenUI.Integrated Llama 3.1 for automated text generation and Flux for on-demand image creation via APIs.Implemented a clean writing experience using Quill WYSIWYG editor and HTMX for dynamic, server-side interactions without page reloads; doubles as a private writing space. | |
| Land Records Data Automation <i>Python, Pandas, Selenium</i> | |
| <ul style="list-style-type: none">Automated a manual government land-survey data entry process for a government village administration office, reducing a 3-4 week task to four days (6x speedup).Cleaned and normalized messy dataset using Pandas by detecting name patterns and inconsistencies.Developed a hybrid Selenium script to populate forms and handle edge cases/buggy interactions in a legacy web portal, significantly streamlining a bureaucratic workflow. | |

Preprints / Working Papers

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| Dhupam, D. (2025). PQC-VE: A Post-Quantum Framework for End-to-End Verifiable Electronic Voting. TechRxiv. doi.org/10.36227/techrxiv.175234511.12096363/v2 |
| Dhupam, D. (2025). The Theory Of Replaceability: An Evolutionary Mechanism Influencing Differential Variability. doi.org/10.31219/osf.io/9rmf5_v2 |

Thesis

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| Dhupam, D. (2025). Post Quantum Cryptography based Land Records Management System. Undergraduate Thesis. doi.org/10.31237/osf.io/nhwks_v1 |
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Skills & Certifications

Languages: Python, JavaScript, SQL, C, HTML, CSS, Bash

Frameworks/Tools: Django, HTMX, Docker, Tailwind CSS, Kubernetes, Git, Nginx, Gunicorn, Pandas, PyTorch, TensorFlow

Cloud/Infra: GCP, AWS, Linux (Debian)

Certifications

Harvard University: CS50's Introduction to Artificial Intelligence with Python

Yale University: Narrative Economics

Awards

Winner, Project Expo 2023: Built a GSM-based GPS tracking device using Arduino (IIITDM Kurnool Open Day).

Winner: Vigilance Awareness Week Quiz.