Kanishka Abhay Sarangdhar
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Education

- **Lovely Professional University(LPU), Phagwara** — Phagwara, Punjab
  B.Tech in Computer Science; CGPA: 6.8 — *September. 2022 – July. 2026*
- **Sai Jr.College, Lasur** — Lasur,Maharshatra
  Intermediate; Percentage: 75.60% — *July 2021 – March 2022*
- **Pravara Girls English Medium School, Loni** — Loni,Maharshatra
  Matriculation; Percentage: 81.40% — *June 2019 – March 2020*

Experience

- **Innoknowvex x IBM** — Remote
  Trainee – Training & Internship Program — *Nov 2025 – Jan 2026*
  - **Mentor-Led Training**: Completed 2 months of tech upskilling via LMS with live sessions by IBM and Innoknowvex experts.
  - **Projects**: Completed a 7-day minor project and developing a 23-day major project applying industry practices.
  - **Skills & Tech**: Enhanced software development, teamwork, and project management skills; worked with Python, Data Science frameworks, cloud, and project tools.

Projects

- **Deep Learning Based Smart Irrigation Using LSTM and RNN (Sep, 2025 – Nov, 2025)**: Developed an IoT-powered smart irrigation system utilizing LSTM and RNN deep learning models to predict crop type and automate irrigation decisions based on real-time sensor data (soil moisture, nutrients, weather). Achieved over 95% testing accuracy and a 38% reduction in water use compared to traditional methods. Compared LSTM and RNN model performance for time-series data, demonstrating superior accuracy and stability with LSTM. Published outcomes in the Springer Lecture Notes in Computer Science, contributing to advancements in sustainable precision agriculture.
- **Automated Crop Disease Detection Using Convolutional Neural Networks (Jul, 2025 – Aug, 2025)**: Developed a deep learning-based solution to identify crop diseases from plant images using Convolutional Neural Networks (CNN). Achieved 95% accuracy, 92% precision, and 93% recall leveraging advanced data preprocessing, augmentation, and image normalization. Utilized a publicly available dataset to train and validate the model, contributing to reliable automated crop disease diagnostics. Published research outcomes in International Journal of Cheminformatics, Vol. 03, Issue 02, 2025.

Certifications

- **Tata - Data Visualisation: Empowering Business with Effective Insights Job Simulation** – Forage 2026
  Gained hands-on experience in creating impactful data visualizations to support business decision-making and insights generation.
- **AWS Solutions Architecture Job Simulation** – Forage 2025
  Designed scalable cloud hosting architectures using AWS services; focused on performance optimization and cost efficiency.

Achievements and Responsibilities

* **Publication – Automated Crop Disease Detection Using Convolutional Neural Networks (International Journal of Cheminformatics, 2025)**: Published a peer-reviewed research article demonstrating a deep learning-based solution for crop disease identification utilizing Convolutional Neural Networks (CNN). Article available at International Journal of - Cheminformatics.

Skills

· **Programming Languages**: JavaScript, Python
· **Frameworks/Tools**: HTML, CSS, MySQL, Figma, GitHub
· **Soft Skills**: Problem-solving, Teamwork, Project management, Adaptability