

# Shikha

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## SKILLS

- **Technical Skills:** Python, Java, C++, C, R, SQL, HTML, CSS, DSA, Data Integration, Data Validation, Data Analysis.
- **Tools & Platforms:** AWS, JIRA, Docker, MySQL, Git, Tableau, Power BI, NumPy
- **Soft Skills:** Team Player, Communication, Adaptability.

## INTERNSHIP

- **DATA SCIENCE INTERN** May'24 – Jul'24  
*ORANGE INFOTECH*
  - Engineered efficient data preprocessing pipelines for a Credit Card System, performing advanced data cleaning, validation, and transformation efficiency by 30%, leading to enhanced model accuracy.
  - Processed and visualized world population data using Jupyter, Pandas, and Se Optimized machine learning techniques to analyse 500k+ financial transactions contributing to improvement in fraud detection accuracy and risk assessment models.
  - Utilized JIRA to streamline task tracking and issue resolution, improving team productivity by 20% in an agile development environment.
  - **Tech stacks used:** Python, Pandas, NumPy, Matplotlib, Pandas, MySQL, JIRA
- **UNIFIED MENTOR** Feb'24 – Mar'24  
*DATA ANALYST INTERN*
  - Leveraged advanced Excel techniques to execute dynamic data visualizations, enhancing decision-making processes.
  - Automated complex tasks using VBA macros, improving data manipulation efficiency and reducing manual errors.
  - Applied conditional formatting and graphical tools to design dashboards, effectively presenting data-driven stories to stakeholders.
  - **Tech stacks used:** R, Microsoft Excel, VBA, Power BI, Tableau.

## PROJECTS

- **PLANT DISEASE DETECTION SYSTEM** Mar'25- Apr'25
  - Developed a cloud-integrated plant disease detection system using deep learning and AWS for automated leaf image analysis.
  - Configured Boto3-based AWS SDK integration to enable efficient communication with S3 for data storage and retrieval.
  - Deployed an AI-powered diagnostic pipeline to detect plant diseases and recommend treatment solutions in real-time.
  - Streamlined model accessibility and scalability through integration of cloud infrastructure with deep learning workflows.
  - **Tech:** Python, S3 Bucket, TensorFlow, CNN, Boto3, Streamlit.
- **EGG BOILER APP** Dec'24 – Jan'24
  - Created a mobile application to assist users in determining optimal egg boiling times based on user preferences.
  - Designed an intuitive and user-centric UI/UX using Figma, resulting in a 95% user satisfaction rate.
  - Formulated a rule-based timing algorithm that increased boiling accuracy by 25% over conventional methods.
  - Refined usability by incorporating user insights and feedback to enhance overall app reliability and experience.
  - **Tech:** React Native, Figma, Firebase, REST APIs.
- **ONLINE BANKING** Mar'23 – Apr'23
  - Developed a banking system using file operations in C to enable account setup, balance checks, and transactions.
  - Implemented features for the admin panel, including file handling, error checking, and account management.
  - Improved the user panel with robust password authentication, seamless fund transfers, and real-time balance tracking.
  - Logged transaction history to capture and display account updates and transaction history.
  - **Tech:** C, File Handling

## ACHIEVEMENTS

- Secured 2nd rank in the Seeing Beyond competition, focusing on picture perception, organized by the Professional Enhancement department. Oct'24
- Competed in the Smart India Hackathon standing out among over 60,000 teams and 40,000 students at the university level. Sep'24
- Conducted and published a research paper analyzing the performance of crypto pools. Jul'24
- Participated in Flipkart Runway Quiz Apr'24

## CERTIFICATES

- Building Language Models – AWS Apr'25
- Introduction to Containers w/ Docker, Kubernetes & OpenShift. Mar'25
- Google Data Analytics – Coursera Jun'24
- Excel Skills for Data Analytics and Visualization – Coursera May'24
- Competitive Event on Public Speaking Oct'23

## EDUCATION

- **Lovely Professional University** Phagwara, Punjab  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 7.90* Since Aug'22
- **Kendriya Vidyalaya Tughlakabad** New Delhi, Delhi  
*Intermediate; Percentage: 82%* Apr'21 – May'22
- **Kendriya Vidyalaya Tughlakabad** New Delhi, Delhi  
*Matriculation; Percentage: 88%* Apr'19 – Mar'20