

ANJAN THAKUR

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EDUCATION

Agnel Charities' Fr. C. Rodrigues Institute of Technology, Vashi

Bachelor of Technology in Computer Engineering

2024 – 2027 | CGPA: 9.63

Bharati Vidyapeeth Institute of Technology, Kharghar

Diploma in Computer Engineering

2021 – 2024 | 93.26%

St. Xavier's High School & Jr. College, Nerul

Secondary Education (Class X – SSC)

2020 – 2021 | 94.80%

EXPERIENCE

Software Developer Intern Jun 2023 – Aug 2023

Lotus Educare, Kharghar, Navi Mumbai

- Developed a retail billing system using **Node.js** and **Express.js** for inventory and transaction management
- Implemented backend logic and basic APIs to streamline checkout workflows

PROJECTS

Automated Parent–Teacher Analytics System | Python, OCR, NLP, FastAPI

- Built an end-to-end pipeline to extract data from handwritten PTA forms using OCR and NLP techniques
- Deployed ML models using **FastAPI** with a frontend dashboard to display summaries and visual insights
- System currently in production for real-world academic feedback analysis

Plant Disease Detection – Tomato Crops | Python, TensorFlow, CNN, FastAPI

- Developed a CNN-based image classification model to identify **11 tomato plant diseases**
- Integrated the model into a FastAPI-based web interface for image upload and real-time predictions
- Performed error analysis and studied overfitting to improve validation performance

Hyperspectral Image-based Plant Stress Analysis | Machine Learning, Hyperspectral Imaging

- Built an ML pipeline to analyze hyperspectral data for monitoring nitrogen levels and plant stress
- Created a simple frontend to visualize and interpret spectral data outputs
- Deployed the system for applied agricultural analysis

Smart Resume Parser – NIT Bhopal Hackathon (Selected) | ML, NLP, FastAPI

- Designed a system to parse resumes in bulk and match candidates against job descriptions
- Built an end-to-end prototype with a FastAPI inference engine and recruiter-facing interface

EventLink – Android Application with AI Chatbot | Android, Java, NLP

- Developed a full-stack Android application featuring a Gemini-based AI chatbot
- Implemented intent classification to handle diverse user queries within the mobile application

SKILLS

Languages: Python, Java, JavaScript, SQL (MySQL)

ML & AI: CNNs, NLP, OCR, Hyperspectral Imaging, Model Evaluation

Frameworks & Tools: TensorFlow, Scikit-learn, OpenCV, FastAPI, Git, GitHub, Android Studio

Web & Visualization: HTML, CSS, Matplotlib, Seaborn

Core Computer Science: Data Structures & Algorithms (100+ LeetCode problems solved in Python)

RELEVANT COURSEWORK

Data Structures & Algorithms | Database Management Systems | Computer Networks |

Operating Systems | Object-Oriented Programming | Machine Learning