

Bilal Choudhary

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EDUCATION

Vellore Institute of Technology

Btech in Computer Science and Engineering; CGPA 7.5/10

Chennai, India

Sep 2021 – July 2025

EXPERIENCE

Techpanion Solutions

Remote

SDE Intern

June 2024 – July 2024

- Built AI-powered invoice extraction microservice using **Python, Flask, OpenCV, Tesseract OCR, spaCy** achieving **84% accuracy** on diverse invoice formats
- Designed 4-stage processing pipeline (preprocessing, OCR, NER-based extraction, validation) with **~4s** processing time per document
- Extracted critical fields (invoice numbers, vendor names, dates, amounts) using hybrid approach combining regex patterns and custom-trained Named Entity Recognition models

iCtrlBiz Consulting

Noida, India

Software Development Intern

Aug 2023 – Dec 2023

- Developed a **CRM and Lead Management System** using **React.js, Supabase, PostgreSQL, Tailwind CSS** with drag-and-drop pipeline managing **500+** leads
- Implemented secure multi-user authentication, real-time analytics dashboard, and meeting scheduler achieving **95+ Lighthouse score**
- Built responsive UI with advanced filtering, CSV export, and automated workflow features improving team efficiency by **40%**

PROJECTS

CRM - Lead Management System | [React.js](#), [Supabase](#), [Tailwind CSS](#) | [GitHub](#)

Sep 2023 – Nov 2023

- Built full-stack CRM with 6-stage Kanban pipeline, real-time analytics dashboard, meeting scheduler, and notes/reminders system using React.js and Supabase

FinAssist – Virtual Finance Assistant | [Python](#), [Flask](#), [JavaScript](#) | [GitHub](#) | [Website](#)

Jan 2025 – Feb 2025

- Built a full-stack **Python Flask** finance dashboard with 15+ tools – live NSE stock quotes, SIP/EMI/FD/Zakat calculators, mutual fund NAV search, real-time currency & commodity prices, and a multi-source market news aggregator with parallel RSS fetching

Handovr – Verified Phone Marketplace | [Next.js](#), [React](#), [Supabase](#) | [handovr.in](#)

Feb 2026 – Mar 2026

- Built full-stack verified marketplace for second-hand phones in Delhi NCR featuring escrow payment system, 16-point device verification workflow, automated seller-buyer matching, and end-to-end transaction handling

SKILLS

Languages: Java, Python, C/C++, SQL, HTML, CSS

Machine Learning & AI: TensorFlow, Keras, PyTorch, scikit-learn, NLTK, spaCy, OpenCV, YOLO

Tools & Technologies: Git/GitHub, npm, Docker, VS Code, Jupyter Notebooks, Google Colab

Soft Skills: Problem-Solving, Critical Thinking, Technical Communication, Project Management, Team Collaboration

CERTIFICATIONS & ACHIEVEMENTS

Certifications:

- Python Programming** - IIT Bombay | [Certificate](#)
- C Programming** - IIT Bombay | [Certificate](#)
- Cisco Packet Tracer/Network Simulation** - Cisco Networking Academy | [Credly Badge](#)
- AI for All: From Basics to GenAI Practice** - NVIDIA | [Certificate](#)

Achievements:

- School captain** and Part of **School Council Committee** for 3 consecutive years
- Secured **Top 3** position in school academics for **Class 10th** and **12th**
- Operations Team Member** at Business Club in college - coordinated tech events and workshops