

CHANDRU P

AI & Data Science Undergraduate | Full Stack Developer

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EDUCATION

M. Kumarasamy College of Engineering
B.Tech in Artificial Intelligence & Data Science
CGPA: 7.5/10.0

Karur, India
Expected May 2028

Sri Vidya Mandir Matriculation Higher Secondary School
Higher Secondary Education

Namakkal, India
Completed: 2024

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript (ES6+), SQL, HTML5, CSS3
- **Frameworks & Libraries:** React.js, Node.js, Flask, Pandas, NumPy, Matplotlib, OpenCV
- **AI & Machine Learning:** YOLO (Object Detection), Voice AI (ElevenLabs API), LangChain
- **Tools & Databases:** Git, GitHub, MongoDB, MySQL, VS Code, Power BI

EXPERIENCE

CodSoft
Web Development Intern

Remote
July 2025 – Aug 2025

- Developed and deployed 3+ responsive web pages using **React.js** and **Node.js**, ensuring cross-browser compatibility.
- Optimized frontend components which reduced page load time by approximately 20%, improving user retention.
- Collaborated with a team of 4 developers to implement RESTful APIs and manage version control via **Git**.

PROJECTS

Blind Pay - Voice-Based Secure Payment System | *Python, YOLO, Voice AI*

- Engineered an accessible payment solution for visually impaired users, utilizing **ElevenLabs** for real-time voice guidance.
- Integrated **YOLO (You Only Look Once)** object detection to identify currency notes and payment terminals via camera input with high accuracy.
- Designed a hands-free transaction flow that allows users to verify payment details audibly before confirmation.

AI-Powered Job Portal | *Flask, SQLite, HTML/CSS*

- Built a full-stack job application platform featuring secure user authentication, employer dashboards, and resume parsing.
- Implemented a responsive UI allowing candidates to upload resumes and track application status in real-time.
- Designed an efficient SQLite database schema to handle user profiles and job postings securely.

Smart Supply Chain Resilience System | *Data Analytics, Python*

- **Hackathon Winner:** Designed an AI model to predict inventory demand for perishable goods using historical data analysis.
- Utilized **Pandas** and **Matplotlib** to visualize supply gaps, helping to reduce potential food wastage.

Smart Irrigation System (DBMS Project) | *SQL, Database Design*

- Designed a comprehensive Entity-Relationship (ER) diagram and SQL schema for an automated farm irrigation system.
- Optimized database queries to track soil moisture sensor data efficiently.

CERTIFICATIONS & ACHIEVEMENTS

- **Top 120 Teams**, Perplexity AI Paradox 2.0 Hackathon (2025).
- **Certification**, Introduction to Industry 4.0 & IoT – NPTEL.
- **Certification**, Front End Development – Simplilearn.