Chandru

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PROFESSIONAL SUMMARY

Passionate developer skilled in Python, Java, and MySQL, with expertise in Django, MERN stack, and machine learning. Hands-on experience in data engineering, automation, and AI-driven applications through multiple internships. Recognized for winning a national AI/ML hackathon and excelling in product development. Seeking opportunities to apply technical skills and contribute to innovative projects.

EDUCATION

Knowledge Institute of Technology	**B.Tech in AI&DS**	CGPA : 8.0	Oct 2021 – May 2023
S.V.M Hr. Sec. School	**HSC in Computer Science**	Percentage : 85%	Sept 2020 – July 2021

TECHNICAL SKILLS

Languages : C, Java, Python, MongoDB, MySQL, JavaScript, HTML, JSON, CSS
Frameworks : React, Node.js, Flask, Django, ExpressJS, Bootstrap, TailWindCss SpringBoot ,Machine Learning, YOLO, Tensorflow
DevOps and API Tools : Git, Docker, Postman, Github, PowerBI
Others : Data Modeling, Agile , SOLID, Data Visualization, Automation, Automation, Data Scraping, Data Analysis

EXPERIENCE

Data Scientist Intern | *Punchbiz* — *Jan 2024 – Mar 2024*
- Smart Attendance System Development – Contributed to building an automated attendance tracking system using computer vision and deep learning, enhancing efficiency and accuracy.
- Data Annotation & Model Training – Worked on data annotation for machine learning models, ensuring high-quality labeled datasets for training object detection models like YOLO.
- Computer Vision & YOLO Implementation – Applied YOLO for real-time object detection, optimizing the model for accurate identification and tracking of individuals.

Software Developer | *JSW Blooming Mill* — *July 2023 – June 2024*
- Automated Daily Production Planning – Developed an automated scheduling system at JSW Blooming, optimizing efficiency and ensuring timely production through streamlined processes.
- Resource Allocation & Workflow Optimization – Implemented solutions to enhance resource allocation, improving overall workflow and operational efficiency.
- Technology Stack – Utilized Django, Excel, and Python to build and integrate automation tools for production planning and management.

Data Engineer Intern | *i18n Solution* — *Oct 2022 – Mar 2023*
- Data Engineering – Gained experience in data engineering, focusing on data scraping, preparation, and processing for multilingual datasets.
- Data Scraping & Preparation – Extracted, cleaned, and structured large datasets to ensure seamless integration into various data pipelines.
- Internationalization Solutions – Collaborated on developing scalable internationalization solutions, enabling efficient handling of multilingual data across diverse systems.

PROJECTS

Result Analysis and Visualization | *Python, Pandas, Matplotlib, Seaborn*
- Developed an automated Python-based system for analyzing semester results data, enabling administrators to enhance education quality through data-driven insights.
- Utilized Pandas for data ingestion and cleaning, ensuring accurate and structured datasets for analysis.
- Implemented Matplotlib and Seaborn for effective data visualization, providing clear insights into student performance trends.

LeafPredict: Plant Disease Detection | *Python, Pandas, TensorFlow, CNN, Django, Computer Vision*
- Developed an image-based plant disease detection system leveraging machine learning to analyze plant leaf images and predict diseases.
- Implemented deep learning techniques for feature extraction and classification, providing detailed diagnostic insights.
- Enhanced accuracy using advanced image processing and dataset augmentation techniques.

E-commerce API | *Node.js, Express.js, MongoDB, JWT (JSON Web Tokens), dotenv*
- Developed a comprehensive E-commerce API with user authentication, user management, product management, and vendor management.
- Implemented role-based access control using JWT for various user roles, including admin, vendor, and buyer.
- Utilized Node.js and Express.js for backend development and MongoDB for database management.
- Enabled robust error handling, pagination, and search functionality for products.

AWARDS AND CERTIFICATIONS

Winner - National Level AI/ML Hackathon	*Bannari Amman Institute of Technology*	Mar 2024
Appreciation Award - Best Consultant Project	*Knowledge Institute of Technology*	Oct 2023
1st Prize - Make a Product Expo	*Knowledge Institute of Technology*	Mar 2022
Google Data Analytics	*Coursera*	July 2023
Programming in Java	*NPTEL*	May 2024