Joshika Chandra G

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SUMMARY

Aspiring AI Engineer and B.Tech Artificial Intelligence and Data Science student with hands-on experience in building machine learning applications. Skilled in Python, PowerBI, MongoDB, Automation Testing with strong under- standing of AI subdomains like DL, and ML. Proven ability to develop, deploy, and optimize end-to-end AI solutions and work collaboratively in team-driven environments..

TECHNICAL SKILLS

Programming Languages: Python, SQL,HTML, CSS
Testing & QA: Manual Testing, Automation Testing, Selenium,Software Testing Lifecycle (STLC)
Databases: MongoDB, Power-BI, SQLite, SQL Server, Excel, Tableau-BI
Core Area: Machine Learning, Artifical Intelligence, Data Analytics, Deep Learning
Tools & Frameworks: Git/GitHub, VS Code, Android Studio, Pandas, Numpy, Matplotlib, Seaborn, MySQL, Kaggle
Soft skill: Problem solving, Documentation, Communication, Leadership
Language Known: English, Tamil, Telugu

PROJECTS

Data Analytics & Visualization Dashboard: Built interactive dashboard analyzing datasets using Python (Pandas, Matplotlib),created SQL queries for efficient data retrieval and transformation using Python, SQL, Tableau/Power BI, Pandas..

Character Recognition using SUPPORT VECTOR MACHINE: SVM finds the optimal hyperplane to separate character classes in high-dimensional feature spaces from pixel data. It excels with small datasets, handles non-linear data via kernels like RBF, and is robust to outliers

COVID-19 Detection from X-ray Images Using CNN: The COVID-19 pandemic has overwhelmed healthcare systems, necessitating rapid diagnostic tools beyond RT-PCR testing. This study proposes a deep learning framework using Convolutional Neural Networks (CNNs) to detect COVID-19 from chest X-ray images, enabling fast triage in resource-limited settings.

Stock Prediction using Support Vector Regression: Stock price prediction remains challenging due to market volatility and non-linear patterns, yet SVR offers a robust regression method by finding a hyperplane that maximizes margin while tolerating errors within an epsilon tube.

Tag Identification using NLP: Tag identification automates the assignment of relevant labels to text content, such as forum questions or articles, using Natural Language Processing (NLP) techniques to improve searchability and organization.

Internship

Completed a 4-week virtual **Data Analytics/Data Science internship** at NoviTech R&D Pvt Ltd, gaining hands-on experience in end-to-end data workflows tailored to real-world business applications.

Key Skills Acquired

Data Processing: Excel (Power Query, Pivot Tables, VBA), preprocessing, EDA using Python (NumPy, Pandas), SQL/MySQL, NoSQL (MongoDB).

Visualization & BI: Tableau/Power BI dashboards, Matplotlib/Seaborn for insights and reporting.

Statistics/ML: Hypothesis testing, probability distributions, model building (classification/regression/clustering), evaluation metrics (accuracy, F1-score).

Projects and Deliverables

- Hands-on modules included data cleaning/transformation, predictive modeling, and deploying ML algorithms on Kaggle datasets—directly aligning with your Power BI/Tableau interests and AI&DS coursework.

- This experience strengthened analytical thinking and tool proficiency, ideal for entry-level Data Analyst/Scientist roles while building your portfolio. NoviTech emphasizes practical, industry-relevant training in Coimbatore.

EDUCATION

Sasurie College of Engineering,Tirupur	Expected May2026
B.Tech in Artificial Intelligence and Data Science	**CGPA: 7.9/10**
Mahesh Karthi MHSS,TamilNadu	Mar 2022
Higher Secondary (12th) – **82%**	
Velan vikhass MHSS, TamilNadu	Mar 2020
High School (10th) – **95%**	

CERTIFICATIONS

- Infosys Springboard - Continuous Intergation and Delivery - DevOps(2025)
- Infosys Springboard - Introduction to Agile Methodology(2025)
- Novitech - Data Analytics, Machine Learning, Artifical Intelligence(2025)
- Infosys Springboard-Fundamental of AI & ML(2023)
- Udemy- Learn Microsoft Excel from Zero to Hero (2025)