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## PROFESSIONAL SUMMARY

Motivated **third-year B.Tech Information Technology** student at **C. Abdul Hakeem College of Engineering and Technology (Anna University)** with a strong interest in **Data Science, Python development**, and **Machine Learning**. Skilled in **Exploratory Data Analysis (EDA)**, **data visualization**, and **API integration**. Completed a **live cryptocurrency data project** showcasing **real-time data handling** and **automation**. Proficient in **statistical tools** and **cloud computing** concepts. Actively seeking **Data Science internship opportunities** to apply **analytical skills** and gain **industry experience**.

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## SKILLS

- **Programming Languages:** Python, C, R
- **Frameworks and Libraries:** TensorFlow, Scikit-learn, Pandas, Matplotlib, Pytorch, Flask
- **Web Technologies:** HTML5, CSS3, JavaScript, Bootstrap
- **Tools:** VS Code, Git, Github
- **Additional Skills:** UI/UX Design, Data Analysis, API Integration, Business Communication

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## WORK EXPERIENCE

### Data Science with AI Intern

*Labmentix Edtech Pvt. Ltd. | Remote | Jun 2025 – Aug 2025*

- Completed a full-cycle ML project titled “**Stock Price Prediction of YES Bank**”, focusing on financial data analysis and predictive modeling.
- Performed comprehensive **EDA** (Univariate, Bivariate, Multivariate) and created 15+ business-driven visualizations using Python.
- Built and evaluated regression models (Linear Regression, Random Forest) with cross-validation and hyperparameter tuning.
- Delivered deployment-ready `.ipynb` notebook, presentation deck, and video walkthrough.

Gained practical exposure to AI workflows, feature engineering, and model interpretability.

**Tools:** Python, Pandas, Scikit-learn, Seaborn, Matplotlib, Colab, Git

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## PROJECTS

### 1 .Cryptocurrency Live Data Analysis

- Developed a Python script to fetch, analyze, and update live cryptocurrency data in an Excel sheet every 5 minutes.
- Used CoinGecko API to retrieve real-time data of the top 50 cryptocurrencies.
- Implemented data analysis techniques to identify market trends and key insights.
- Automated Excel updates using OpenPyXL and the Schedule library.

**Tech Stack:** Python, Pandas, Requests, OpenPyXL, CoinGecko API

### 2. YES Bank Stock Price Prediction

*EDA & Regression Modeling*

- Built ML models to forecast YES Bank’s stock prices using historical data.
- Conducted structured EDA (UBM), engineered features, and visualized key trends.
- Applied and tuned models (Linear Regression, Random Forest, XGBoost) with cross-validation.
- Delivered deployment-ready `.ipynb`, saved model (`.pkl`), and business insights presentation.

**Tools:** Python, Pandas, Scikit-learn, Matplotlib, Seaborn, Colab, Joblib

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## CERTIFICATIONS

- **Machine Learning (GUVI):** Built supervised and unsupervised learning models.
- **Introduction to Generative AI (Google/Coursera):** Gained hands-on experience with transformer models and text generation.
- **Python for Data Science, AI & Development (IBM):** Gained proficiency in Python fundamentals and its applications in data science, artificial intelligence, and software development.
- **Foundations of User Experience (UX) Design (Google/Coursera):** Learned key principles of UX design.

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## EDUCATION

**Bachelor of Technology in Information Technology**

**2022- 2026**

**C. Abdul Hakeem College of Engineering and Technology (Anna University)**

- Relevant Coursework: Machine Learning, Data science.