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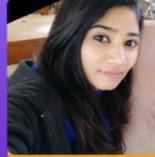Learn Free Tutorials **YouTube: Shiva Gautam**

PLACEMENTS

MERN STACK

LPA	Name	Company
3.5	Shivam patil	GBH Technology
3.2	Shubham Sisodiya	Ideal It Techno
8	Kiran Malve	Codiant
3.4	shikha-sharma	softude
9.8	Avdhesh Sharma	Infosys
8.3	Mukesh Panday	Infosys
4.8	Nilesh Carpentar	ESP Softech
5.2	Prakash Kharche	Tech Jockey
4.8	Rajat Ghate	Glazer Games
5	Aman Verma	Mosphe
4.8	Piyush Patidar	Divergent
4.8	Aditya Seth	Shethink
4.8	Naman Joshi	EXPLETUS
3	Sakshi Sahu	Softops
4.2	Madhur Tiwari	TCS
4.3	Arushi Rathore	bitcot

PYTHON

LPA	Name	Company
4.5	Rishi chaurasiya	giga-tech
6.0	kanika rawat	infobell
2.4	Komal Malviya	P&P infotech
5.2	Sachin Gautam	IDEAL IT TECHNO
6.8	Mukesh Randhava	Neosoft
9.8	Akram khan	x-Biz
4.3	Swapnil Joshi	x-Biz
4.8	Ranjana Jadhav	TaskCraft
4.3	Sonu Gunhare	thoughtwin
11	anuja solanki	Oracle INC
4.2	Lokesh Kaushik	Tracen code
4.8	Parag Jaisawal	KSolvo
6	Veerendra Singh	Kelton
3	Firoz Rizvi	Thoughtwin
4.2	abhishek Parihar	Ideal IT Techno
6.0	Chinmay Chaturvedi	Agility Visual

JAVA

LPA	Name	Company
2.8	shubham sharma	kvsoftech
5.8	Ankit Goswami	Capgemini
5	Amogh Saxena	Digivalet

QA, SALESFORCE, DA, DS, AI\ML

LPA	Name	Company
3.5	harsh bhonsale	dure dev
4.2	Prateek bhardwaj	hivatechnolab
5.2	Shubham singh	Gamma-stack
4.5	Priya singh	ksolve
5.0	Neha choudhary	moryah
6.2	Naveen Yadav	Protonshub
7	kinjal singh	TCS
11	Siddharth Nashine	Accenture
5.4	Nitesh Bamhotriya	Rakuten
4.8	Mohit chouhan	techcoopers
4.5	utkarsh murera	Gucelab
4.5	Aastha gupta	Gucelab
3.6	Anjali verma	ideal it techno
4.2	kushagra parmar	gemind system
4.5	ISHWA SHAH	SWE GEN
12	Twinkle Verma	Webpt
10	Sandeep Parmar	Deloitte
4	Amar Singh	Gigatorb
56	Ashish bhadoriya	Bank of america
5.8	Pritesh Mahjan	THOUGHTWIN
6	Prerna Sharma	LMS Solutions
3.6	Pallavi Soni	Techcooper
3.6	Tarun Upadhyay	Techcooper
8.2	Chayan Jain	Persistant
5	Shivendra Kadam	Cloudstry Technology
6.2	Arpita jain	ey- india
6.8	varsha gangrade	infosys
8	Swapna	globap-payex
4.0	Ankit singh	ama software
4.2	Hitesh Lalwani	Quest Digiflex
8	Chitranjan Panwar	Yash Technology
5.5	abhishek patidar	Cloudwapp
3.2	Ajay yadav	byte billion

ML.NET Complete Syllabus

Module 1: C# Programming
- Basics
  - Syntax, variables, constants, data types
  - Operators & control flow (loops, if-else, switch)
- Methods
  - Parameters (value, ref, out, optional)
  - Method overloading
- Object-Oriented Programming
  - Classes & objects
  - Inheritance, polymorphism, encapsulation, abstraction
  - Interfaces & abstract classes
- Advanced C#
  - Delegates, events & lambda expressions
  - Exception handling
  - Collections & generics
  - LINQ queries & method syntax
- Asynchronous Programming
  - Async & Await
  - Multithreading & Task Parallel Library
- File Handling & Reflection
  - Reading/writing files
  - Reflection API & attributes
  - Extension methods

Module 2: Introduction to ML.NET
- What is ML.NET?
- Why ML.NET for .NET Developers
- ML.NET vs Python ML Frameworks (Scikit-Learn, TensorFlow)
- Machine Learning Basics (Supervised, Unsupervised, Evaluation Metrics)
- ML.NET Architecture & Components
- Overview of ML.NET Model Builder & CLI

Environment Setup
- Installing Visual Studio / VS Code
- Adding ML.NET NuGet Packages
- Understanding MLContext
- Working with IDataView
- Loading Dataset (CSV, JSON, Database)

Module 3: Data Processing & Transformation
- Data Loading Pipelines
- Data Cleaning (Missing Values, Outliers)
- Encoding Categorical Data
- Normalization & Scaling
- Splitting Data: Train, Test, Validation
- Feature Engineering in ML.NET
- Working with Transformers & Estimators
- Saving & Loading Data Pipelines

Module 4: Regression Models
- Linear Regression
- FastTree Regression
- LightGBM Regression
- SDCA Regression
- Performance Metrics: R^2, MAE, RMSE
- Real Project: Predict House Price / Salary Prediction

Module 5: Classification Models
- Binary Classification
- Multi-Class Classification
- Algorithms:
  - Logistic Regression
  - LightGBM
  - FastForest
  - SDCA
- Metrics: Accuracy, Precision, Recall, F1 Score
- Real Project: Loan Approval Prediction / Spam Detection

Module 6: Clustering
- K-Means in ML.NET
- Unsupervised Learning Concepts
- Selecting Number of Clusters
- Real Project: Customer Segmentation Model

Module 7: Recommendations & Ranking
- Matrix Factorization
- Collaborative Filtering
- Product Recommendation System
- Movie Recommendation System (End-to-End)

Module 8: Natural Language Processing (NLP)
- Text Data Preprocessing
- Stemming, Lemmatization
- Featurization: TF-IDF
- Binary/Text Classification
- Sentiment Analysis
- Real Project: Review Classification (Positive/Negative)

Module 9: Computer Vision with ML.NET
- Image Classification via Model Builder
- Training with TensorFlow Models
- Object Detection Basics
- Real Project: Image Recognition App (C# + ML.NET)

Module 10: Time-Series Forecasting
- Forecasting Tasks
- SSA (Singular Spectrum Analysis) in ML.NET
- Load Forecasting / Sales Prediction
- Anomaly Detection

Module 11: Model Training & Tuning
- Hyperparameter Tuning (AutoML)
- Cross Validation
- Avoiding Underfitting/Overfitting
- Best Practices for Higher Accuracy

Module 12: Model Deployment
- Saving/Loading .zip ML Models
- Consuming Models in:
  - ASP.NET Core API
  - WPF / WinForms
  - Console App
- Deployment to Azure App Service
- Real-Time Prediction APIs

Module 13: ML.NET Model Builder (GUI Tool)
- Classification
- Value Prediction
- Recommendation
- Image Classification
- AutoML Experiments

Module 14: Capstone Projects (4–5 Real-World Projects)
1. Sales/Revenue Forecasting App (Time Series)
2. Spam & Chat Classification (NLP)
3. Customer Churn Prediction (Classification)
4. Product Recommendation System
5. Image Classifier for Products/Objects

Each project includes:
✔️ Dataset
✔️ Training & Evaluation
✔️ Integration with ASP.NET / Desktop App
✔️ Deployment

Module 15: AI Tools for Developers
- Introduction to AI-powered development & productivity
- GitHub Copilot, ChatGPT, TabNine for coding assistance
- AI tools for UI/UX (Figma AI, Uizard, Locofy)
- AI for API & backend (API docs, query optimization)
- AI-driven testing & bug detection (CodiumAI, Testim)
- Azure OpenAI & AI in DevOps (monitoring, CI/CD automation)
- AI productivity tools (Notion AI, Otter.ai, resume builders)
- Mini Project – Using AI tools for coding, testing & deployment

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