DAKSHINESWAR MURUGESAN

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SKILLS

Languages :	Python, C, Java, SQL, HTML, CSS, JavaScript
Frameworks :	Pandas, NumPy, Seaborn, Matplotlib, Plotly, Scikit-learn, TensorFlow, Tkinter, BeautifulSoup
Tools/Platform :	Word, PowerPoint, Excel, Jupyter Notebook, VS Code, Tableau, Notion, Canva
Soft Skills :	Leadership, Teamwork & Collaboration, Critical Thinking, Active Listening, Adaptability, Time Management, Continuous Learning

EXPERIENCE

DotEco.

Founder & Ecosystem builder   November'25 – Present

- Founded and built DotEco, a startup ecosystem platform focused on connecting students, early-stage founders, mentors, and opportunities within the Indian startup landscape.
- Led the end-to-end MVP development, including product vision, feature prioritization, UX flows, and coordination with designers and developers.
- Designed ecosystem initiatives such as campus chapters, startup showcases, and community-led programs to drive user acquisition and engagement.
- Preparing for seed-stage fundraising by building pitch decks, validating problem–solution fit, and refining the go-to-market strategy.

Lovely Professional University

CodeQuery: The Ultimate PL/SQL & Data Science Bootcamp   June'25 – July'25

- Mastered PL/SQL fundamentals including queries, procedures, functions, triggers, and packages to build a strong database programming foundation.
- Designed and optimized relational database schemas with efficient indexing and constraints to ensure scalability and integrity.
- Gained proficiency in data analysis techniques using Python, Pandas, and NumPy for exploratory and statistical analysis.
- Achieved measurable growth in analytical thinking and data-driven decision-making, enabling faster insights and optimized business solutions.

PROJECTS

PL/SQL Student Feedback portal | PL/SQL, Oracle APEX, SQL   July'25

- Developed the user interface and integrated the database using Oracle APEX and SQL to build a student feedback and attendance portal.
- Adapted quickly by learning Oracle APEX overnight and led the team to deliver one of the top-rated projects in class.
- Implemented features enabling students to mark attendance and teachers to analyze class performance via data visualization dashboards.

ConvertEase : All in one number converter | Python, Tkinter, ExchangeRate December'24
- Developed a Tkinter-based number conversion and encryption/decryption tool featuring 14 functionalities, including currency, temperature, fuel economy conversions, and secure data handling.
- Integrated the ExchangeRate API to support real-time currency value updates and implemented the Caesar Cipher algorithm for encryption and decryption operations.
- Strengthened Python GUI development proficiency through Tkinter while enhancing testing practices and improving time management skills during project execution.

House Price Prediction Model | Numpy, Pandas, Matplotlib, Seaborn, Plotly and Scikit-learn May'25
- Achieved an R^2 score of 0.73, indicating strong model performance and statistical significance.
- Executed comprehensive data preprocessing, including handling missing values, removing irrelevant features, and applying appropriate data scaling techniques.
- Evaluated and optimized multiple models—Linear Regression, Decision Trees, and XGBoost—using RMSE, with XGBoost outperforming all other approaches.

CERTIFICATES

- Graduate Certificate Programme in Data Science and AI (Upgrad) April'25
- Computer Programming (IamNEO) May'24
- Responsive Web Design (FreeCodeCamp) November'23
- Introduction to hardware and operating systems (IBM) September'24
- Python – Basic (HackerRank) June'25
- Deloitte Australia – Data Analytics Job Simulation (Forage) June'25
- CodeQuery: The Ultimate PL/SQL & Data Science Bootcamp (LPU) July'25

ACHIEVEMENTS

- **Founded DotEco:** November'25
  Building a startup ecosystem platform from zero to one, driving MVP development, community formation, and early-stage fundraising readiness.
- **Led development of a PL/SQL-based student feedback portal:** July'25
  Using Oracle APEX, where the project was recognized as one of the best in class, showcasing time management, adaptability, and teamwork.

EDUCATION

- **Lovely Professional University** Punjab,India
  Bachelor of Computer Science ; CGPA : 7.63 August'23 - Present
- **Velammal Bodhi Campus** Coimbatore,TN
  Intermediate June'21 – April'23
- **Dr.Dasarathan International School** Coimbatore,TN
  Matriculation June'19 – April'20