

## Summary

Observative and Research driven professional afoot on strong foundations of computer science, and holistic business concepts, backed by Proven ability in problem solving and team handling through data driven insights. Hands on experience of advanced Data Science and analytics. Passionate about applying data skills in Financial modeling, Strategic Portfolio management, Risk analytics, Budgeting decisions, Business forecasting, intelligence along with Marketing and sales analytics.

## Work Experience

<p>January 2023 - Present</p>	<p><b>Freelance Experience (Machine learning and Deep learning Research)</b></p> <ul style="list-style-type: none"> <li>Completed 20+ researches on applied topics related to ML and DL, using <b>Anaconda navigator, jupyter, Keras, Tensorflow, sk-learn.</b></li> <li><b>Explanatory Data analysis, Feature engineering, and Model, implementation with fine tuning, leading to Accurate and Optimal Predictive models.</b></li> <li>Extensive application of <b>Hyper-parameter tuning</b> as required, leading to boosted <b>Accuracy by 30% and 5% - 10% increase in precision.</b></li> <li>Handling Text and Image data using <b>Natural Language processing, Augmentation</b> methods for non-numerical data.</li> <li><b>Training and Testing multiple Deep learning models such as CNN, RNN, LSTM, ANN</b> to handle complex data and optimal <b>Performance.</b></li> </ul>
<p>September 2022 - December 2022</p>	<p><b>DevTown (Data science Trainee)</b></p> <ul style="list-style-type: none"> <li>Acquired applicable skill of disciplines under <b>Data science Domain.</b></li> <li>Developed and trained upon 5+ projects including Deep learning and <b>Fine tuning</b> methods such as <b>Cross Validation, Grid Search, Randomized Search</b> that improve performance by <b>8-10%</b> by data and <b>17-30%</b> by model.</li> <li>Strengthened <b>problem-solving, Decision Making</b> skills in real-world scenarios.</li> <li>Completed successfully, <b>Explicity detection, and Fraud detection</b> models with close to <b>90%</b> accuracy for Spotify and credit card data as final challenge projects in training, and <b>Received Letter of Recommendation.</b></li> </ul>

## Skills

<p><b>Languages</b>  <b>Frameworks</b>  <b>Database</b>  <b>Tech-Tools</b>  <b>Soft Skills</b>  <b>Others</b>  <b>Projects</b></p>	<p>Python, R, SQL (core domain), Java.  Sk-learn, Keras, Pandas, MySQL.  Docker, Git, SSMS.  VS-code, Pycharm, Anaconda Navigator, Power BI, Tableau (basics).  Sound Bilingual Communication (<b>written and spoken</b>), Team work, Presentation, and Adaptability.  Expert prompting in AI tools, Expert in MS-excel, and consistent academics.</p>
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- LiveLi [Live Literature platform] (Ongoing)**
  - Developed business idea that aggregates **NLP** and **IOT** to provide immersive reading experience.
  - Compiled **Market research**, and performed **STP** for the **New product development.**
  - Formulated **Marketing Strategies** and **Financial Feasibility** study of the Product, unveiling **BEP.**
- Credit Secure [Financial analysis, Binary Classification Modeling] (March 2025)**
  - Performed **Financial Ratio analysis**, and **EDA** on credit purchases data sourced from open directory.
  - Presented identifiable patterns related to possible Credit transactions and Frauds.
  - Compiled Binary classification with **6+** classifier models spearing average accuracy of **76%.**
- Infra-scan [CNN, Image processing] (December 2024)**
  - Developed Infra-scan from scratch, a tool can be used with x-ray images data to detect Lung Cancer.
  - Engineered step-by-step processing of image data into formatted RGB, and dimension-oriented **ND-array** sequence.
  - Applied sequential CNN modeling, and experimentation of **Keras-pretrained models.** Trained Model with epochs to moderate precision.
- Assainir [SK-learn, Firebase, Js, Flask] (April 2023)**
  - Web based questionnaire application with Classification modeling to aid Mental health issue based on user response.
  - Real time usage applicable in dynamic **Business environment**, and **Strategic management.**
  - CSE final year project.

## Achievements/Certification

- Solved 50+ debugging issues during project development.
- Secured strong position in training and LOR from DevTown.

## Roles and Responsibilities

Led a team of four members in developing final year project, currently representing business project team for **LiveLi.**

## Education

- Dr. A.P.J. Abdul Kalam Technical University, Lucknow
  - Masters In Business Administration Specialization Finance and Marketing. (Pursuing)
  - B. Tech in Computer Science and Engineering (CGPA: 7.67) (September 2019- July 2023).
  - Intermediate, High School – UP Board science stream [74%, 67%] respectively. (2016-2019)