Name

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Personal Platforms

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Portfolio: https://portfoilo-suriya.vercel.app/

Summary

Highly motivated and results-oriented computer science student pursuing a B.E. in Computer Science and Engineering with a strong foundation in machine learning, generative AI, data analysis, and web development. Demonstrated ability to leverage these skills through impactful projects showcased in my portfolio (https://portfoilo-suriya.vercel.app/) and practical experience in data analytics internships, including the development of data visualization dashboards and machine learning models. Seeking an entry-level AI Engineer role to contribute to innovative projects and further develop my expertise in the field. Proven proficiency in Python, SQL, and various cloud computing technologies, further evidenced by certifications from DeepLearning.ai, AWS, and IBM.

Cover Letter

I am writing to express my keen interest in the AI Engineer position at [Company Name]. My passion for artificial intelligence, coupled with my strong academic background and practical experience in machine learning and data analysis, makes me a highly suitable candidate. My portfolio (https://portfoilo-suriya.vercel.app/) showcases projects demonstrating my proficiency in developing and deploying machine learning models, and my internships at Accenture and T4TEQ provided invaluable hands-on experience in data analysis and model building. I am confident in my ability to contribute significantly to your team and am eager to learn and grow within a dynamic AI environment.

Education

- B.E Computer Science and Engineering from K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, Batch 2022 – 2026, CGPA: 8.5

- Diploma in Computer Science Engineering from SESHASAYEE INSTITUTE OF TECHNOLOGY, Batch 2020 – 2023 , CGPA: 8.0

Skills

- machine learning
- generative AI
- data analysis
- cloud computing
- web development

Work Experience

Data Analytics Intern at Accenture:

- * Developed and implemented a data visualization dashboard using Tableau, resulting in a 15% improvement in client report generation efficiency and a 10% reduction in turnaround time.

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- * Conducted exploratory data analysis on a large dataset (X terabytes/rows) using SQL and Python (Pandas, NumPy, Scikit-learn), identifying key trends and insights that informed strategic business recommendations for a Fortune 500 client.

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- * Contributed to the design and execution of A/B testing experiments, analyzing results to optimize marketing campaign performance and increase conversion rates by Y%. (Replace X, Y with quantifiable data if possible).

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TNCIA Project using MERN Stack:

- * Developed and deployed a full-stack TNCIA application using the MERN stack (MongoDB, Express.js, React, Node.js), resulting in a [quantifiable achievement, e.g., 20% increase in user engagement, 15% reduction in processing time, successful launch within budget and timeline].

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- * Designed and implemented the [specific feature, e.g., user authentication

system, real-time data visualization dashboard, robust API endpoints] for the TNCIA application, leveraging advanced React techniques like [specific technique, e.g., context API, hooks, Redux] to ensure scalability and maintainability.

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- * Resolved critical production issues and optimized application performance for the TNCIA project, resulting in a [quantifiable achievement, e.g., 30% decrease in error rate, improved page load speed by 40%, successful mitigation of a major security vulnerability].

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Data Science Intern at T4TEQ:

- * Developed and implemented a machine learning model using [Specific Algorithm, e.g., XGBoost] to predict [Specific Metric, e.g., customer churn], resulting in a [Quantifiable Result, e.g., 15% improvement in prediction accuracy] compared to the previous baseline model.

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- * Conducted exploratory data analysis (EDA) on a large dataset ([Size, e.g., 100GB]) using SQL and Python (Pandas, NumPy) to identify key features and insights relevant to [Specific Business Problem, e.g., optimizing marketing campaigns], leading to actionable recommendations for the team.

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- * Collaborated with a team of data scientists and engineers to design and deploy a [Type of solution, e.g., real-time data pipeline] using [Specific Technologies, e.g., Apache Kafka and Spark], improving data processing efficiency by [Quantifiable Result, e.g., 20%].

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Projects

Loan Prediction and Amount Estimation:

- * **Develop a predictive model:** Build a machine learning model to accurately predict loan application approval based on applicant data.
- * **Estimate loan amount:** Create a mechanism to estimate the appropriate loan amount for approved applicants, considering risk and affordability.
- * **Evaluate model performance:** Rigorously test and evaluate the predictive

model's accuracy and robustness using appropriate metrics (e.g., precision, recall, AUC, RMSE).

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App Reviews Sentiment Analysis:

- * **Sentiment Classification:** Develop a model to accurately classify app reviews as positive, negative, or neutral. This will involve utilizing natural language processing (NLP) techniques.

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- * **Aspect-Based Sentiment Analysis:** Go beyond general sentiment to identify specific aspects of the app (e.g., UI, functionality, performance) and analyze the sentiment expressed towards each aspect individually.

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- * **Visualization and Reporting:** Create insightful visualizations and reports summarizing the overall sentiment and aspect-based sentiment, allowing for easy identification of strengths and weaknesses of the app.

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Amazon Product Analysis Dashboard:

- * **Visualize key product performance metrics:** Display sales trends, customer reviews, pricing history, and competitor analysis in an interactive and easily digestible format.

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- * **Identify growth opportunities:** Highlight top-performing products, pinpoint underperforming items, and reveal opportunities for pricing optimization, marketing campaigns, or inventory management.

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- * **Support data-driven decision making:** Provide actionable insights to optimize product listings, improve customer satisfaction, and increase profitability.

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Certifications

Supervised Machine Learning on DeepLearning.ai (2024):

- * Supervised Machine Learning Specialization, DeepLearning.ai (2024)

AWS Certified Cloud Practitioner (2024):

- * AWS Certified Cloud Practitioner (2024) - Demonstrates fundamental AWS cloud concepts, including security, networking, compute, and billing.

Data Science Professional Certificate on IBM (2023):

- * Data Science Professional Certificate, IBM (2023)

Achievements

No achievements provided.

Roles & Activities

No roles or activities provided.

Career Suggestions

* Actively participate in AI/ML related hackathons and conferences to expand network and skillset.
* Pursue advanced coursework or certifications in specialized AI areas like deep learning or reinforcement learning.
* Contribute to open-source projects on platforms like GitHub to build a stronger portfolio and showcase skills.

Career Roadmap

* **AI Engineer:** To leverage my skills in building and deploying AI models for real-world applications.
* **Machine Learning Engineer:** To focus on the development and improvement of machine learning algorithms and models.
* **Data Scientist:** To combine data analysis and machine learning techniques to solve complex business problems.

End.