

## JESPER DENI A

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### CAREER OBJECTIVE

Aspiring Data Engineer with expertise in AI/ML, strong analytical skills, and a passion for solving complex data-driven challenges. Seeking to contribute to innovative projects and grow within a dynamic tech environment.

### EDUCATION

- **Bishop Heber College** – Master of Computer Applications (August 2022 - April 2024) | CGPA: 7.23
- **Bishop Heber College** – Bachelor of Computer Applications (June 2019 - March 2022) | CGPA: 7.89

### COURSES

- **G-TEC Computer Education, Trichy** – Master Diploma of Artificial Intelligence and Data Science (May 2024 - December 2024)

### EVENTS

- At **Microsoft Reactor**, gaining insights into the latest advancements in AI and technology.

### PROJECTS

- **Tourism Management System**
  - Developed a chatbot-integrated tourism management system using **Python, Flask, and NLP**.
  - Improved customer satisfaction by **40%** through automated assistance and personalized recommendations.
  - Enabled seamless booking processes and real-time itinerary updates.
- **Predictive Model of Top Selling Course at Particular Time**
  - Designed a machine learning model using **Django, Pandas, and Scikit-learn** to forecast top-selling courses.
  - Achieved **85% accuracy** in course prediction by leveraging data preprocessing and feature engineering.

- Implemented an interactive **web-based API** for real-time predictions.

## CERTIFICATIONS

- **Cloud & AI Certifications:**
  - Amazon Web Services assessment certificate through LearnTube. □ SQL Assessment Certificate through LearnTube.
- **Programming & Development:**
  - "Introduction to Java" certificate from SoloLearn.
  - Java Intermediate Certificate from SoloLearn. □ Angular certificate through SoloLearn.
- **Design & Other Skills:**
  - Certificate in Building Wireframes and Low-Fidelity Prototypes from Google.
  - Beginner-level certificate in Adobe Photoshop CS5 from the Computer Science Department at BHC.
  - Intermediate-level photography session conducted by the BCA department, BHC.
  - Webinar on Introduction to DBMS conducted by Bishop Heber College.

## INTERNSHIP

- **VDart:** Artificial Intelligence Intern
- Worked on **data preprocessing, model development, and AI deployment** for real-world applications.
- Built and optimized machine learning algorithms such as **Random Forest, Decision Tree, and NLP models.**
- Gained experience in **cloud computing** and AI-driven automation.

## SKILLS

- **Programming Languages:** Python (Pandas, Numpy, Matplotlib, Scikit-learn, Tkinter)
- **Data Structures & Algorithms:** Arrays, Linked Lists, Stacks, Queues, Hash Tables, Trees, Graphs, Sorting & Searching Algorithms
- **Databases:** MySQL (Designing, Querying, and Managing Relational Databases)
- **Machine Learning:** Random Forest, Decision Tree, K-Nearest Neighbor (KNN), Support Vector Machine (SVM), Feature Engineering, Predictive Modeling, NLP
- **Software & Tools:** MS Office, Figma, Adobe, VS Code, Anaconda, Jupyter Notebook, Google Colab

## **COMMUNICATION LANGUAGES**

- Tamil
- English