

# LOGESHWARAN VISHWANATHAN

Analyst



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## SUMMARY

Experienced professional with good analytical & Decision making ability and proficiency over programming languages like Python, C & SQL. Looking for opportunities in the field of Data Science to make the maximum use of my skills and knowledge for the benefits of both the firm and myself.

## EDUCATION

**Master of Science in Data Science**

Apr '22 - Mar '24

**UNIVERSITY OF ARIZONA**

*CGPA 3.66/4*

**Bachelor of Engineering in Electrical and Electronics Engineering**

Jul '16 - Apr '20

**R.M.D Engineering College**

*CGPA 7.62/10*

**Higher Secondary Education**

Jun '14 - Apr '16

**Doveton Matriculation Higher Secondary School**

*76.5 Percentage*

**Secondary School Education**

Jun '12 - Apr '14

**Doveton Matriculation Higher Secondary School**

*97.2 Percentage*

## KEY PROJECT

### Melanoma Detection CNN

**Summary:** Developed a CNN-based model for melanoma detection, achieving a training accuracy of nearly 90% and a validation accuracy of nearly 80%. The model was trained on a dataset of 2357 images of malignant and benign oncological diseases from the International Skin Imaging Collaboration (ISIC). The model was able to generalize well to unseen data, suggesting that it could be used to develop a reliable tool for melanoma detection.

**Technical details:** The model used a sequential architecture with three convolutional layers, followed by a fully connected layer and a softmax output layer. The model was trained using the Adam optimizer and the categorical cross-entropy loss function.

**Impact:** The model has the potential to reduce the manual effort needed in melanoma diagnosis and improve the early detection of this deadly cancer.

## PROFESSIONAL EXPERIENCE

Oct '20 - Present

### TCS

#### Analyst

- **Collaborated with the technical support team** during the hyper care period after migrating from an on-prem system to a cloud system
- **Analyze** various technical and process related issues such as user access/profile issues, PR/PO and E-forms, approval flow issues, cloud integration issues, and training issues
- **Conduct root cause analysis** on incidents/tickets related to the above-mentioned categories and identify common patterns
- Create Jira stories and schedule calls to address these findings using tools such as **Tableau, PowerPoint, and Excel**
- Suggest opportunities of automation and **provide resolutions** to the issue identified
- Ally with development and technical teams to provide valuable insights, offer suggestions for coding logic, and ensure the accuracy of outputs

#### Report Generation & Troubleshooting

- Generating **weekly reports** and updating the resources with new data
- Resolving issues pertaining to dashboards and reporting database environment and overseeing the **quality assurance** of the imported data

## TECHNICAL SKILLS

**Programming languages:** Python, SQL, C, Pyspark

**Data analysis:** Exploratory Data Analysis (EDA), Data Visualization, Data Mining, Inferential Statistics, Quantitative Analysis, Data Manipulation, Critical Thinking

**Machine learning:** Linear Regression, Logistic Regression, Decision Trees, Random Forests, Neural Networks, Applied Natural Language Processing, Modeling Techniques, Computer Vision

**Tools & platforms:** Jira, SAP ARIBA, MS SQL SERVER Service-Now, Jupyter Notebook, Tableau, Git, Excel, AWS

## CERTIFICATIONS

- MACHINE LEARNING ENGINEER CERTIFICATE FROM MANGTAS
- BEC VANTAGE CERTIFICATION WITH C GRADE

## ACHIEVEMENTS & AWARDS

- **On The Spot Award:**

Received on the spot award, for analysis of the user profile/ access issue and suggestion of automation ideas. Which on successful implementation helped to reduce the ticket inflow in that category by around 70%

- Won district level chess competitions