

# DEVANSHI VASHISTHA, MSC

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Dedicated Data Scientist and ML Engineer with 1.5 years of experience at a high-speed startup where I created computer vision and machine learning solutions and implemented them on AWS. Skilled in Python, deep learning, and data-driven problem-solving, with hands-on experience creating and deploying end-to-end AI models. Currently pursuing a Master's in Data Science to expand my knowledge base in data and its real world impact.

## EDUCATIONAL BACKGROUND

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<b>Masters of Science in Data Science,</b> University of Leicester, Leicester, United Kingdom	2025 - 2026 <i>In progress</i>
<b>Bachelor of Technology in Computer Science and Engineering,</b> Jaypee University Of Information Technology, Solan, India	2020 - 2024 <i>CGPA : 8.9</i>
<b>Senior Secondary Education,</b> Modern Public School, Delhi, India	2005 - 2020 <i>Percentage : 93.8</i>

## SKILLS

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**Python programming — Data Structures — Data Analysis and Visualisation — MS Excel — DBMS/MySQL — Tableau — Data Science — Machine Learning Algorithms — Deep Learning — Computer Vision — Artificial Intelligence (AI) — AWS — Postman — Docker hub — Git — Github — Project Management — CRM software**

## EXPERIENCE

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<b>AI/ML Software Developer</b> Agsure Innovations Private Limited	Jun 2024 - Aug 2025 <i>Delhi, India</i>
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- Engineered and refined computer vision and ML algorithms, both existing and custom-built to optimise model efficiency, resulting in a 99 percent accurate system with 10 seconds response in real time.
- Deployment of the program for Agsure's AI-powered grain analyzer which modernizes grain quality assessment to AWS servers.
- Integrating keras models into some feature sets of the application to scale and optimize solutions, enhancing overall reliability.

Skills: OpenCV · Tensorflow · Keras · FlaskApi · Postman · Amazon Web Services (AWS) · Docker hub · Git · Python libraries

<b>Sales Development Representative Intern</b> Recruit CRM	Dec 2023 - Jun 2024 <i>Remote</i>
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- Reaching out to leads who are experts in recruitment agencies in the North American region using cold calling, emailing, and LinkedIn to find business opportunities.
- Coordinating with Account Executives and CEOs/VPs of the company to schedule a demonstration catering to their needs.

Skills: SaaS · Staffing and Recruitment · CRM Software · Business Development · HubSpot

<b>AI/ML Trainee</b> JUIT - Industrial Training	Jun 2023 - Jul 2023 <i>Solan</i>
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- Received training in traditional classroom setup on various topics ranging from basic python programming operations to neural layer computations.

- Hands-on implementation of multiple concepts, mainly - data pre-processing and machine learning model development.
  - Statistical analysis of large datasets during coursework to extract clear results and presented findings to peers using data visualization libraries in Python, resulting in improved understanding of data-driven decision-making.
- Skills: Data Science · Machine Learning · Data Visualization · Data Analysis · Deep Learning · Data Pre-processing · OpenCV

## Data Scientist

IBM - Apprenticeship

Jul 2022 - Oct 2022

Remote

- Explored machine learning concepts and data interpretation techniques through analysis of 5 datasets, contributing to 1 research project and enhancing understanding of predictive modelling methodologies.
- Detailed understanding of mainly the deep learning frameworks and model generation based on different scenarios.
- Recognized keywords to generate meaningful prompts which derive significant results.

Skills: Machine Learning · Python · Tensorflow · Keras · Jupyter  
Explored machine learning concepts and data interpretation techniques through analysis of XX datasets, contributing to XX research projects and enhancing understanding of predictive modelling methodologies.  
environment · CNN

## PROJECTS

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### **Applicant Tracking System (ATS).**

Combined to create one web service for recruiters and candidates. Complete analysis of all the input resumes.

Analysed resumes using NLP techniques, generating scores and tailored recommendations, leading to 85 percent improvement in applicant quality for university job placement services.

### **Brain Tumor Detection.**

Classified a Brain MRI dataset to determine tumour presence, achieving an accuracy rate of 95 percent through the application of advanced CNN techniques.

Analysis of brain MRI dataset which consisted of 4 types of medical tumours.

### **Driver Drowsiness Detection.**

Developed using OpenCV and Keras.

Developed a system using Euclidean distance to detect signs of drowsiness, achieving accurate real-time predictions with an accuracy rate of 91 percent.

### **Fashion MNIST data classification.**

Developed a CNN-based classification model that accurately classified 70000 images using frameworks like TensorFlow and Keras, enhancing image processing capabilities for research projects.

### **Overspeed car detection system.**

A small-scale overspeed car detector using hardware components like - Arduino UNO and IR sensors was developed. Calculated and displayed the speed of a vehicle in motion on an LCD. If the vehicle was overspeed, a buzzer was triggered.

## CERTIFICATIONS

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IBM: Deep learning using TensorFlow — Infosys: Data Visualisation using Python — Languify Internship: Artificial Intelligence with Python — UDGAM - IIT GUWAHATI: Artificial Intelligence with Python — JUIT - Summer Training / Internship completion certificate — JP Morgan certified Excel skills job simulation — Google: Introduction to Generative AI

## PUBLICATIONS

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D. Vashistha, S. Goel and S. Jain, "Impact of Convolutional Neural Network Hidden Layers on Brain Tumor Detection," 2023 Seventh International Conference on Image Information Processing (ICIIP), Solan, India, 2023, pp. 961-966, doi: 10.1109/ICIIP61524.2023.10537735.

Title: Applicant Tracking System (ATS)

Authors: Devanshi Vashistha, Khushi Chhabra, Dr. Pankaj Dhiman

Status: Communicated