# Keshav Kumar

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## SUMMARY


Passionate and results-driven Computer Science student with hands-on experience in **Data Science, Machine Learning, Deep Learning, NLP, and Generative AI**. Skilled in building and deploying AI-driven solutions across domains such as **Computer Vision, NLP, and Predictive Analytics**. Completed multiple projects, internships, and certifications demonstrating expertise in **Python, SQL, TensorFlow, Keras, OpenAI API, and Streamlit**. Eager to leverage technical skills and project experience to contribute as a **Data Scientist / AI Engineer**.


## SKILLS

- **Programming & Databases:** Python, SQL, MySQL, Data Structures & Algorithms (DSA)
- **Machine Learning & AI:** Supervised & Unsupervised Learning, Scikit-learn, TensorFlow, Keras, PyTorch, Natural Language Processing (NLP), Deep Learning, Generative AI (OpenAI API, GANs, Stable Diffusion, LangChain, RAG)
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Exploratory Data Analysis (EDA), Hypothesis Testing, Probability & Statistics, Regression, Clustering
- **Computer Vision:** CNNs, Transfer Learning (VGG16, ResNet, EfficientNet), Image Processing, Image Augmentation, Object Detection (YOLO, OpenCV)
- **Deployment & Cloud:** Streamlit, Flask, FastAPI, Docker, Render, Streamlit Cloud, AWS (EC2, S3, SageMaker – basics))
- **Tools & Platforms:** Git, GitHub, VS Code, PyCharm, Jupyter Notebook, Google Colab

## EXPERIENCE

**AI & Data Science Intern**
*Geekster | Remote | Dec 2024 – May 2025*

- Applied **ML algorithms** (Logistic Regression, Random Forest, K-Means, SVM) to solve real-world problems.
- Performed **EDA, feature engineering, and model development** using Python & Scikit-learn.
- Built projects including **Disease Prediction System, Recommendation Engine, and Classification Models**.
- Integrated **MySQL databases** and deployed ML models with **Streamlit & Flask**.

**AI Intern (Artificial Intelligence Domain)**
*Growfinix | Remote | Aug 2025 – Present*

- Working on **AI projects** in Computer Vision, NLP, and Predictive Analytics.
- Building and optimizing **deep learning models** using TensorFlow & Keras.
- Gaining hands-on experience in **deployment, scalability, and innovation** of AI solutions.

## PROJECTS

- **Medical Recommendation System (**ML, NLP, Scikit-learn, Flask**)** **(GitHub Link)**
  - Developed an ML-based system to **predict diseases from symptoms** and provide **personalized medical recommendations**.
  - Implemented NLP-driven symptom analysis, classification models, and deployed as a **Flask web app** for real-time predictions.
- **Spam Mail Classifier (**Python, NLP, Scikit-learn, Streamlit**) (GitHub Link)**
  - Developed an email classification model using NLP and TF-IDF, achieving **98% accuracy and 99% precision** with ensemble methods (SVM, Naïve Bayes, Extra Trees).
  - Deployed as a **Streamlit web app** for real-time spam detection with interactive input.
- **Brain Tumor Detection System (**Deep Learning, TensorFlow, VGG16, Image Processing**) (GitHub Link)**
  - Built a CNN-based model using **VGG16 and image augmentation**, achieving **95%+ accuracy** in classifying brain tumor MRI scans.
  - Applied preprocessing and feature extraction techniques, improving prediction reliability for medical imaging.

## CERTIFICATIONS

- **Data Science & Machine Learning Certification** – Geekster (2025)
- **AI & Data Science Internship Certificate** – Growfinix (2025)
- **Generative AI & LangChain Basics** – (Google Cloud / Coursera)

## ACHIEVEMENTS

- Solved **100+ DSA problems** on LeetCode5 star on Hacker Rank
- Achieved **5-Star Rating in Problem Solving** on HackerRank**.**
- Built and deployed **5+ AI/ML projects** including NLP, Computer Vision, and Generative AI applications.

## EDUCATION

- **B.Tech in Computer Science and Engineering**
  (Baba Banda Singh Bahadur Engineering College) 2021 – 2025
- 12th (Science Stream) 2018 – 2020
- 10th 2017 – 2018