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# SHAHABAJ KHAN

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## Data Scientist

<https://shahabaj.onrender.com>

### SUMMARY

Hi, I'm Shahabaj Khan. I'm a Data Scientist passionate about building efficient, scalable, and user-focused digital solutions. I work with Python, React, NodeJS, and Machine Learning to turn data-driven ideas into real-world applications.

### SKILLS

Languages	Python, Javascript, SQL, C++
Libraries & Tools	Pandas, Numpy, Matplotlib, Seaborn, Plotly, Scikitlearn, PyTorch, YOLO, OpenCV, MediaPipe, PyGame, PowerBI
ML	Data Extraction, Data Engineering, Modeling, Regression, Classification, Clustering, Data Visualization, Model Deployment, CNN, Transformers
Web Stacks	Flask, NodeJS, ReactJS, MongoDB, MySQL

### EXPERIENCE

Futures Intern, 2025

#### Data Science Intern

##### Salary Predictor (Machine Learning Project)

*Tools & Technologies: Python, CatBoost, Pandas, Scikit-learn, Matplotlib*

- Built a Salary Prediction model to estimate salaries based on experience, education, job role etc.
- Performed data preprocessing (missing values, feature scaling) achieved high predictive accuracy.

**Link:** [https://shahabaj.onrender.com/#/projects/salary\\_predictor](https://shahabaj.onrender.com/#/projects/salary_predictor)

### PROJECTS

#### Web-based Image Editor with AI powers

*Tools & Technologies: YOLO, OpenCV, React, Flask*

- It auto detects faces from uploaded image and blur them (used in sensitive images)
- It can blur whole image also & resize them without distortion of ratio

**Link:** [shahabaj.onrender.com/#/projects/image\\_editor](https://shahabaj.onrender.com/#/projects/image_editor)

#### Stone-Paper-Scissor Game using Hand Gesture Recognition

*Tools & Technologies: Python, OpenCV, Mediapipe, NumPy*

- Built an interactive Stone-Paper-Scissor game controlled by hand gestures using Mediapipe for real-time detection.
- Implemented gesture recognition and game logic for automatic move identification and scoring.
- Processed video frames with OpenCV/NumPy for smooth tracking and real-time feedback.

**Link:** [shahabaj.onrender.com/#/projects/stone\\_paper\\_scissor](https://shahabaj.onrender.com/#/projects/stone_paper_scissor)

#### AI Chat Bot

*Tools & Technologies: Python, Groq API, LangChain, React*

- Developed an AI chatbot using Groq API for real-time query handling.
- Implemented LangChain for managing conversation flow.

### EDUCATION

Lovely Professional University | 2025-2026

#### Masters of Computer Applications (MCA)

AI/ML specialization

### CERTIFICATES

- Deep Learning by Simplilearn
- Getting Started with Machine Learning Algorithms
- Full Stack Web Development Bootcamp
- Power BI for Beginners

### LINKS

[github.com/meShahabaj](https://github.com/meShahabaj)

[kaggle.com/shahabaj11](https://kaggle.com/shahabaj11)

[youtube.com/channel/UCiNSEa7oKPMpgaqVWgs353A/](https://youtube.com/channel/UCiNSEa7oKPMpgaqVWgs353A/)