

Pratik Suchak

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EXPERIENCE

Kudzu Info-tech

Intern

Bangalore, India

April 2024 – May 2024

- **Admin Dashboard Development:** Optimized the admin dashboard, improving database synchronization and UI efficiency by 30%.
- **Search and Filter Optimization:** Implemented search and filter features, enhancing user experience by 50%.

PUBLICATIONS

Epilepsy Detection Using Supervised Learning Algorithms

IEEE International Conference on Contemporary Computing and Communications (InC4)

March 2024

- **Authors:** L. Krishnasamy, Y. K. Sriwastav, **Suchak Pratik Bharat**, S. R. Ganachar

Personalized Mental Health Care: AI Innovations in Teletherapy

ICSDET 2025 — Paper: 148

February 2025

PROJECTS

Neural Network from Scratch

Deep Learning Project

- **Architecture Implementation:** Built a fully-connected neural network using only NumPy, supporting forward and backward propagation.
- **Training and Evaluation:** Trained on the MNIST dataset using manual gradient descent, achieving 89% accuracy.

House Price Prediction

Machine Learning Project

- **Model Development:** Developed a regression model using Python and Scikit-learn with 94.67% accuracy.
- **Deployment:** Deployed using Flask on Heroku with Docker containerization.

AI-Powered Chatbot

Natural Language Processing Project

- **Chatbot Design:** Built a rule-based chatbot using NLTK and TensorFlow with 92% intent recognition accuracy.
- **Optimization & Deployment:** Integrated lemmatization and NER; deployed via Flask and WebSockets for real-time interaction.

EDUCATION

Christ University

Bachelor of Engineering in Computer Science; GPA: 3.92

Bangalore, India

Aug. 2022 – Mar. 2026

Delhi Public School

Senior Secondary; 92.00%

Kampala, Uganda

Apr. 2020 – Mar. 2022

SKILLS

Languages: Python, SQL

Technologies: TensorFlow, Scikit-learn, Natural Language Processing, MATLAB

Soft Skills: Problem Solving, Communication, Leadership, Management