

# Akul S Rajeevan

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## PROJECTS

### Facial Recognition System using Python

<https://github.com/FlameBuster/faceRecognition>

- Facial recognition system using Python, incorporating MTCNN for face detection and InceptionResnetV1 for feature extraction.
- Created a custom dataset, implemented data preprocessing, and saved facial embeddings along with labels for efficient facial recognition.
- Demonstrated practical application by building a function to match input images with stored identities, showcasing expertise in computer vision and deep learning.

### Fake News Detection system in Python

<https://github.com/FlameBuster/fakeNewsDetection>

- Fake News Detection system in Python using Scikit-Learn.
- Utilized a latest dataset (released in July 2023) containing text data and labels to train a text classification model.
- Employed TF-IDF vectorization and a Linear Support Vector Machine (SVM) to effectively identify and classify fake news articles, showcasing proficiency in natural language processing and machine learning.

### Semantic Search of Educational Texts

January 2023 - June 2023

- Created and implemented a user-friendly website application that enables efficient searching and retrieval of educational content.
- Responsible for designing Front-end of the Application.
- Contributed to the advancement of information retrieval in the education sector, promoting efficient and accurate access to educational resources.
- Developed a search engine that allowed users to search large volumes of educational resources using natural language processing in order to quickly display relevant results with 95% accuracy.

### Chat Application using Tkinter GUI and Socket

May 2019 - December 2019

- Utilized MySQL database to securely store and retrieve user login credentials.
- Demonstrated strong skills in Python programming, GUI development, socket communication, and database integration.
- Implemented Socket programming in Python to establish secure, reliable connection for a chat application.

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## EDUCATION

### Bachelor of Technology in Electronics and Telecommunication

Symbiosis Institute of Technology • Pune • 2024

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## CERTIFICATIONS

### Networking Essentials

Ciso Network Academy

- Certified in Networking Essentials

### Cybersecurity Essentials

Cisco Networking Academy

- Certified in Cisco Networking Essentials, and learnt the basics of cybersecurity

### Data Analytics in Python

FreeCodeCamp • 2023

- Learnt data analytics using Pandas and Numpy

### CCNAv7: Switching, Routing and Wireless Essentials

Cisco Networking Essentials • 2023

- Certified in CCNAv7 and learnt to configure VLANs and layer 3 devices.

### CCNAv7: Enterprise, Security, and Automation

Cisco Networking Academy • 2023

- Certified in CCNAv7: Enterprise, Networking, Security and Automation which covers various subjects like IPV4 standards, OSPFv2 etc.

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## SKILLS

Software: Pyhton, Python, Javascript, Node Js, Css, Html, Sql, Reactjs