

# Santhoshi Bysani

Bachelor of Technology

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

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### •Bachelor of Technology in Computer Science and Engineering

2019-2023

G Pullaiah College of Engineering and Technology

CGPA: 7.7

## PERSONAL PROJECTS

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### •Health Insurance Prediction

Implemented a user-friendly interface for a website using Streamlit framework .

- Utilized advanced mathematical computations with NumPy and MATLAB to enhance data analysis and preprocessing capabilities, ensuring accuracy in predictive modeling.
- Applying collective learning techniques, the RandomForestRegressor algorithm was integrated into the system to provide an accurate estimate of health insurance costs.
- Leveraged data manipulation techniques with pandas to efficiently preprocess and manage data, optimizing the performance.
- Technology Used: Python

### •Depression Detection

A react-based web application that allows users to chat in real-time.

- Implemented K-means clustering, leveraging unsupervised learning algorithms to effectively classify depressive symptoms within the web application.
- Established two testing methodologies, Quiz-Based Test and Sentiment-Based Test, within the web application, enhancing its functionality and usability.
- Utilized NumPy and pandas for data preprocessing, applying advanced machine learning methods like gradient descent, logistic regression, and naive Bayes.
- Technology Used: Python, HTML, CSS, JavaScript.

## EXPERIENCE

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### •AWS Cloud Virtual Internship

March- May 2022

AICTE-Eduskills

Online

- Understanding of AWS cloud computing services, including EC2, S3, RDS, Lambda, IAM, VPC, and more.
- Proficient in designing, deploying, and managing fault-tolerant, highly available, and scalable AWS solutions.

### • Embedded Systems Virtual Internship

Sep-Dec 2022

Capgemini

Online

- Acquired a strong foundation in Linux operating systems, including command-line navigation, system administration, and troubleshooting.
- Demonstrated advanced skills in Microsoft Excel for data analysis, manipulation, and reporting.
- Learned adaptability and effective communication with team.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C, Python, HTML+CSS

**Libraries** Python Libraries

**Web Dev Tools** VScode, Git, Github

**Frameworks** Streamlit, Scikit-learn

**Relevant Coursework:** Object Oriented Programming, Software Engineering.

**Areas of Interest:** Web Design and Development.

**LaTeX** Document preparation and typesetting

**Communication Protocols** RPC

**Soft Skills:** Problem-Solving, Self-learning, Presentation, Adaptability, Leadership