

SUBHAPREET PATRO

Computer Science Undergraduate

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ABOUT ME

I am a dedicated and motivated Computer Science student with a strong passion for technology and problem-solving. I approach challenges with efficiency, creativity, and a growth mindset. I am committed to continuous learning and delivering high-quality work in both team-based and independent settings. I strongly believe in transparency, fairness, and ethical collaboration

SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript

Software and Technologies: ReactJS, MongoDB, NodeJS, Express, MySQL, PostgreSQL, GitHub, Arduino (Wokwi), Material UI (Basic), Bootstrap, Android Studio, Jupyter Notebook, AutoCAD (Basic), Weka (Basic)

Soft Skills: Communication, Time Management, Problem solving, Active Listening, Adaptability

Languages: English, Hindi, Oriya, Telugu

CERTIFICATIONS

- ▶ Introduction to Generative AI (AWS Skill Builder)
- ▶ Machine Learning Terminology and Process (AWS Skill Builder)
- ▶ Accenture Nordics – Software Engineering Job Simulation (Forage)
- ▶ Deloitte Australia – Data Analytics Job Simulation (Forage)
- ▶ Introduction to Java (Coursera)
- ▶ Introduction to Python Programming (Coursera)
- ▶ Smart English Basics for Professionals (Great Learning)
- ▶ Spoken English (Great Learning)

HOBBIES

Exploring new technologies | Playing Chess | Listening to Music

PROJECTS

ML-BASED CROP ADVISOR

Apr 2025

Tech Stack: Python, Streamlit, scikit-learn (Random Forest), Pandas, Matplotlib, Plotly
Built an ML-powered agriculture assistant using a Random Forest model to recommend crops based on soil and climate data. Integrated image-based plant disease detection and real-time data visualizations to help farmers make informed decisions through an intuitive Streamlit interface.

HEART DISEASE PREDICTION

Sep 2024

Tech Stack: Python, Tkinter, Matplotlib, NumPy, MySQL, scikit-learn (Logistic Regression)
Built a GUI-based medical app using Logistic Regression to predict heart disease risk. Enabled real-time health data input, visualized key metrics using Matplotlib, and ensured secure patient data storage with MySQL through a user-friendly Tkinter interface.

ADMIN DASHBOARD

May 2024

Tech Stack: MongoDB, Express.js, React.js, Node.js, Nivo, Chart.js, Material UI, Axios
Developed a responsive MERN-based admin panel with modular UI components, secure authentication, and role-based access. Integrated Nivo and Chart.js for interactive financial dashboards, along with dynamic theming and a smart navigation system.

MULTIFUNCTIONAL CALCULATOR

Dec 2023

Tech Stack: Java, Swing (GUI)
Built a Java-based desktop app combining scientific, matrix, graphing, currency, and unit calculators in one intuitive interface. Enabled seamless switching between modes with real-time inputs and dynamic visualizations for enhanced user interaction.

STUDENT INFORMATION MANAGEMENT SYSTEM

Apr 2023

Tech Stack: Python, Tkinter, Pymysql, Matplotlib, PIL, Openpyxl
Developed a GUI-based student record system with login authentication, data management, and image storage. Integrated search and password reset features, and visualized academic performance using Matplotlib for effective progress tracking.

EDUCATION

BACHELOR OF TECHNOLOGY (B. TECH)

Currently Pursuing

- **Institute:** Malla Reddy University
- **Specialization:** Computer Science and Engineering
- **CGPA:** 9.34

HIGHER SECONDARY EDUCATION (12th Grade)

2020 - 2022

- **Institute:** Sri Chaitanya Junior College
- **Stream:** Science (Math, Physics, Chemistry)
- **CGPA:** 9.76

SECONDARY EDUCATION (10th Grade)

2020

- **Institute:** Scholars International School
- **Board:** CBSE
- **Percentage:** 90%