

SAUMYA SEJAL

Bokaro, Jharkhand • saumyasejal1001@gmail.com •
7209416003 • [LinkedIn](#) • [Github](#)

Education

Vellore Institute of Technology

Vellore, Tamil Nadu

B.Tech Computer Science and Engineering GPA: 8.34

2020-2024

Relevant Coursework: Human Computer Interaction, Data Structures and Algorithms, Social Information Networks, Java Programming, Network and Communications, Internet and Web Programming, Cybersecurity, Theory of Computation, Artificial Intelligence, Natural Language processing

Delhi Public School

Bokaro Steel City, Jharkhand

AISSE-2020 PCM with IP GPA: 96.1%

Delhi Public School

Bokaro Steel City, Jharkhand

AISSE-2018 GPA: 92.8%

EXPERIENCE

Tata Motors

Jamshedpur, Jharkhand

Intern(Trainee)

May 2023 - July 2023

- Developed secure authentication and interfaces with access restrictions for diverse stakeholders.
- Implemented user-friendly interface for patients to access their medical records.
- Used JavaScript for input validation, ensuring backend database consistency and accuracy.

LSA BuiltForYou

Remote

Graphic Designing and UI Designing Intern

October 2021 - March 2022

- Collaborated with a startup team to design visually engaging posts for social media platforms and website UI, utilizing online tools such as Canva, Crello, and Adobe Illustrator, Wix, HTML and CSS.
- Worked closely with marketing and content teams to align designs with branding strategies and create visual content.

SKILLS

UI Designing:	Figma
Graphic Designing:	Adobe Illustrator, Canva
Programming:	Java, Python
Front - End Development:	HTML, CSS, JavaScript, Bootstrap, Reactjs
Backend Technologies:	Nodejs, Expressjs, MongoDB, MySQL
Cybersecurity:	Terminologies, Frameworks, Compliance, Cloud security, Tools

PROJECTS

Prediction of Heart Attack risk and detection of Sleep Disorders Using DL Approach *python*

- Developed health monitoring system using wearables for cardiovascular risk prediction.
- Implemented ensemble model: Random Forest, Neural Networks, Gradient Boosting.
- Used Google Fit API for real-time data collection for prediction model

Analysis of Amazon co-purchasing network *Python*

- Developed a Python-based "Amazon Co-Purchase Network Analysis" project using NetworkX, Pandas, NumPy, and Matplotlib to identify key data points through centrality measures and analyze existing groups, providing valuable insights for training future group prediction models.

E-Voting System *Python*

- implemented a Python-based Voting System with RSA encryption and SHA hashing with the pycryptodome library for secure vote encryption.
- Securely encrypted votes to prevent data leakage while gaining hands on experience in advanced encryption techniques like RSA.

Hospital Login System *HTML, CSS, JavaScript, ExpressJs, MongoDB*

- Developed and implemented a full-stack web-based application that significantly improved patient care and record management with secure user authentication and access control
- Integrated third-party API and technologies to enable seamless data exchange between different healthcare system users, improving data accuracy

PUBLICATION

Prediction of Heart Attack risk and detection of Sleep Disorders Using Deep Learning Approach *IRJMS*

Study explores the application of deep learning techniques, incorporating an ensemble-based approach, to predict heart attack risk and detect sleep disorders using data collected from wearable devices. This research aims to be helpful in the fields of cardiology and sleep medicine by contributing to the growing body of AI applications in healthcare.

MISCELLANEOUS

-Chairperson, DLA Club VIT - Event Coordinator, DLA Club - Graphic Designer, Rotaract Club VIT