SAUMYA SEJAL

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EDUCATION

Vellore Institute of Technology — Vellore, Tamil Nadu
B.Tech Computer Science and Engineering GPA: 8.25 — *2020-2024*
Relevant Coursework: Human Computer Interaction, Data Structures and Algorithms, Social Information Networks, Java Programming, Network and Communications, Internet and Web Programming, Theory of Computation, Artificial Intelligence, Natural Language processing

Delhi Public School — Bokaro Steel City, Jharkhand
AISSCE-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 user authentication and authorization mechanisms, ensuring compliance with industry requirements
- Designed and implemented a user-friendly interface, enabling patients to access their medical records.
- Developed distinct interfaces catering to diverse stakeholders, incorporating relevant access restrictions for each user category.
- Implemented client-side scripting using JavaScript to validate user inputs, ensuring data consistency and accuracy within the backend database.

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, utilizing online tools such as Canva, Crello, and Adobe Illustrator.
- Worked closely with marketing and content teams to understand project requirements and align designs with overall branding strategies.
- Assisted in creating compelling visual content that effectively conveyed brand messaging and resonated with the target audience.
- Designed the user interface (UI) for the company's website using Wix, HTML, and CSS

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

PROJECTS

Analysis of Amazon co-purchasing network *Python*

- Developed a Python-based "Amazon Co-Purchase Network Analysis" project utilizing NetworkX, Pandas, NumPy, and Matplotlib.
- Calculated centrality measures (betweenness and closeness) to identify key data points within the co-purchase network.
- Analyzed existing groups within the network, providing valuable insights for training future group prediction models.

E-Voting System *Python*

- mplemented a Python-based Voting System with RSA encryption and SHA hashing.
- Securely encrypted votes to prevent SQL injection and data leakage.
- Utilized the pycryptodom library for robust encryption techniques.
- Gained valuable hands-on experience in advanced encryption methodologies.

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 in a healthcare setting
- Designed and built a secure user authentication and access control system, ensuring only authorized healthcare professionals can access sensitive medical information
- Integrated various third-party APIs and technologies to enable seamless data exchange between different healthcare system users, improving data accuracy