

SANAT POPLI

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EDUCATION

Northeastern University, Boston, MA

Expected May 2025

Master of Science in Information Systems

Coursework: Application Engineering and Development, Data Engineering methods and tools

Chandigarh University, Punjab, India

May 2022

Bachelor of Engineering in Computer Science and Engineering

Coursework: Data Structures and Algorithms, Machine Learning, Angular

TECHNICAL SKILLS

- **Programming Languages:** C++, Java, Python, JavaScript, SQL, HTML5, CSS3, Regex, Node, React, Angular
- **Technologies and Tools:** Spring, Spring MVC, Spring-Boot, Microservices, Jupyter, Postman, AWS EC2, AWS S3, JUnit, Java Swing
- **Other Skills:** Data Structures and Algorithms, Object-Oriented Programming, Full-Stack Software Engineering

EXPERIENCE

Cognizant Technology Solutions Pvt Ltd.

Jul 2022 – Aug 2023

Programmer Analyst - Java Full Stack Developer

Noida, India

- Led the initial transition and setup of a critical IT project, significantly enhancing project efficiency and client satisfaction.
- Played a key role as a Junior Full Stack Developer and SQL Developer, contributing to a 20% increase in project delivery speed.
- Mastered .NET and related technologies, resulting in a 30% improvement in software development processes and outcomes.
- Actively engaged in the development and maintenance of a major employer portal, using ASP.NET and SQL Server, leading to a 25% improvement in user experience and functionality.

Cognizant Technology Solutions Pvt. Ltd.

Dec 2021 – Jul 2022

Programmer Analyst Trainee Intern

Noida, India

- Developed a robust advertisement application using Java Swing, demonstrating strong coding skills and application development expertise.
- Utilized Postman for API testing and integration, ensuring seamless communication and functionality within the application.
- Implemented JUnit for unit testing, significantly enhancing the reliability and performance of the application.
- Collaborated effectively with cross-functional teams, contributing to the project's success through innovative problem-solving and technical proficiency.

PROJECTS AND DEVELOPMENT

One Boston-Drug regulatory

Dec 2023

- Spearheaded the development of 'One Boston-Drug Regulator', a Java Swing-based application, focusing on creating a user-friendly interface.
- Engineered diverse UI panels and login pages catering to different organizational roles, enhancing user engagement and functionality.
- Implemented db4o database integration, ensuring efficient data management and robust backend support for the application.
- Successfully navigated the application's architecture, encompassing ecosystems, networks, enterprises, and organizations, showcasing advanced technical and organizational skills.

Virtual University-Eduversity

Oct 2023

- Led front-end development for 'One Boston-Drug Regulator', a comprehensive educational platform, orchestrating UI/UX design and interconnections within the project.
- Tailored unique UI experiences for five distinct user roles: Professor, Student, Admin, Graduate Authority, and Employer, enhancing user engagement and accessibility.
- Innovatively incorporated functionalities like transcript download for students, utilizing libraries such as com.lowagie and JFreechart.
- Contributed to the development of 29 use cases, ensuring diverse features and smooth workflow, including course selection and rating systems for students, schedule management for professors, and transcript approval processes for graduate authorities.

Face Mask detection using Machine learning

May 2022

- Applied advanced supervised learning techniques, enhancing the project's analytical capabilities.
- Utilized TensorFlow for efficient machine learning model development, contributing to more accurate and reliable data predictions.
- Integrated OpenCV for image processing and computer vision tasks, augmenting the application's feature set.
- Conducted all development and testing in Jupyter Notebook, ensuring a seamless and flexible coding environment.

Room Automation using IoT-Ardroid

May 2020

- Engineered an innovative project comprising two modules: a user-friendly Android app developed in Kotlin and a hardware component programmed using Arduino Sketch.
- Demonstrated proficiency in Kotlin for robust app development, ensuring seamless user interaction and functionality.
- Skillfully implemented Arduino Sketch to control and manage the hardware aspects, showcasing a blend of software and hardware expertise.
- Successfully managed the project independently, from conception to deployment, emphasizing strong project management and technical skills.