

SANKALP SINGH

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EXPERIENCE

Software Engineer <i>LTIMindtree</i>	Feb. 2025 – Present <i>Navi Mumbai, India</i>
<ul style="list-style-type: none">Developing and maintaining financial software systems for the client Nets Denmark - Nexi.Utilizing Mainframe technologies including Job Control Language (JCL), COBOL, DB2, and VSAM to support critical business logic and ensure high availability.Collaborating with cross-functional teams to enhance performance of banking applications.Transitioned from Graduate Engineer Trainee (Feb 2025 – Apr 2025), having completed intensive training in enterprise software architecture and Mainframe development.	
Software Engineering Trainee (Virtual) <i>Forage - JP Morgan Chase & Co.</i>	Jun. 2024 – Jul. 2024 Certificate
<ul style="list-style-type: none">Utilized JPMorgan Chase's open-source library, Perspective, to create a live graph displaying a data feed, enhancing data visibility by 30% for traders.Repaired 20+ broken files in the repository to establish a working local development environment.	
Cloud Virtual Intern <i>AICTE NEAT (AWS Academy)</i>	May 2023 – July 2023 Certificate
<ul style="list-style-type: none">Acquired proficiency in AWS core services, security, architecture, and pricing.Focused on cloud economics and infrastructure design patterns in preparation for AWS Certified Cloud Practitioner exams.	

PROJECTS

WeatherTrakt - Real-time Weather App <i>HTML, CSS, JavaScript</i>	Live GitHub
<ul style="list-style-type: none">Designed a dynamic web app using HTML, CSS, and JavaScript to provide real-time weather information globally.Integrated OpenWeatherMap API to fetch temperature, wind speed, and humidity data.Created a responsive interface with dynamic weather icons for quick visual representation.	
Human Fall Analysis with FallAllID Dataset <i>IEEE Research Publication, Machine Learning</i>	Paper Kaggle
<ul style="list-style-type: none">Published research in IEEE proposing an innovative approach to elderly fall detection using ML techniques.Categorized ActivityIDs into distinct classes to differentiate falls from daily activities, achieving 99.4% accuracy.	
Automatic Room Light Control <i>Arduino, Hardware Prototyping, Sensors</i>	GitHub
<ul style="list-style-type: none">Designed an automated light control system using Arduino and PIR sensors to optimize electricity usage.Calibrated sensor sensitivity and delay to ensure accurate detection of human presence.	

TECHNICAL SKILLS

Mainframe: JCL, VSAM, COBOL, DB2, CICS
Programming: Java, JavaScript, Python, C++, SQL
Web & Tools: HTML, CSS, React, VS Code, Git/GitHub, AWS
Core Subjects: Cyber Physical Systems, Data Structures & Algorithms, OOP

EDUCATION

SRM Institute of Science and Technology	Chennai, TN
<i>B.Tech in ECE with specialization in Cyber Physical Systems, GPA: 9.24</i>	<i>Sept. 2020 – May 2024</i>
<ul style="list-style-type: none">Awards: Outstanding Academic Performance Award (Topper in Specialization).Scholarship: Performance-based Scholarship received for 3 consecutive years.	

CERTIFICATIONS

Generative AI Foundation Course	LTIMindtree
Agile Scrum Certifications	Pluralsight
Mastering Data Structures and Algorithms using C++	Certificate Link
HTML, CSS, and JavaScript for Web Developers	Certificate Link