

# Snehil Ronak Shah

Software Developer Engineer | [snehilshah27@gmail.com](mailto:snehilshah27@gmail.com) | +91 8169558980 | Vashi, Navi Mumbai

## **EDUCATION**

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<b>University of Mumbai (MU)</b> <i>Bachelors in Computer Engineering with honours in Artificial Intelligence &amp; Machine Learning</i>	<b>2024</b>	<b>CGPA: 8.90</b>
<b>New Era High School (CBSE)</b> <i>Physics, Chemistry, Mathematics, Computer Science</i>	<b>2020</b>	<b>78.60%</b>

## **LEADERSHIP EXPERIENCES**

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<b>Research Cell</b>   Projects Team Leader	<b>Present</b>
- Directed a 16-member team, delivered 6 projects, meeting objectives, ensuring client satisfaction and deadlines.	
<b>Computer Society of India</b>   Website Team	<b>2022 – 2023</b>
- Developed website for CSI, to remodel event registrations, payments and enhance overall productivity.	

## **WORK EXPERIENCES**

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<b>N7.io</b> <i>Associate Engineer (Received Rising Star award for good performance)</i>	<b>Jul 2024 – Current</b>	<i>Internet, CDN, DevOps</i>
- Developed and maintained scalable <b>Golang microservices</b> for CDN product infrastructure, implementing <b>GRPC</b> framework protocols that reduced inter-service communication latency.		
- Engineered comprehensive <b>Kubernetes</b> monitoring solutions using <b>Prometheus</b> and <b>Grafana</b> , resulting in 99.9% pod uptime and proactively addressing resource allocation issues before affecting production environments.		
- Architected browser automation solutions with <b>Playwright</b> , <b>Puppeteer</b> , and <b>ChromeDP</b> (Golang), enabling automated content rendering and data extraction capabilities that processed over 50,000 requests daily.		
- Maintained and enhanced the CDN dashboard for live clients, delivering end to end features to support real-time metrics at scale and improve user experience.		
<b>Indian Development Foundation: Balgurukul</b> ( <i>Internship</i> ) <i>Software Development Intern</i>	<b>Dec 2022 - Mar 2023</b>	<i>NextJS, Tailwind, MySQL</i>
- Deployed a streamlined student data portal for <b>300+ Balgurukuls</b> , enhancing <b>efficiency</b> and <b>accuracy</b> .		
- Successfully transformed the existing data management process into an <b>automated</b> and <b>efficient solution</b> .		
- Introduced a centralized portal for <b>data collection and organization</b> , improving <b>data accessibility</b> and <b>accuracy</b> for the organization.		
<b>Second Source</b> ( <i>Internship</i> ) <i>Python Developer Intern</i>	<b>Aug 2022 – Sep 2022</b>	<i>Python, MySQL</i>
- Applied Python data science libraries (numpy, pandas, matplotlib) to develop stock market <b>technical analysis algorithms</b> identifying demand and supply zones.		
- Processed financial data from <b>yfinance</b> to identify trading patterns and calculate <b>performance metrics</b> .		
- Conducted testing across multiple datasets to validate algorithm accuracy and reliability.		

## **PROJECTS**

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<b>Surface Modification Technologies</b>   Python, OpenCV	<b>Dec 2022 – Mar 2023</b>
- Devised a system to compute Minimum and Maximum Diameter for Drill Bits with more than 90% accuracy.	
<b>Hyperspectral Image Classification using Few Shot learning</b> ( <i>Major Project</i> ) <i>Research Intern</i>	<b>Jun 2023 – Mar 2024</b>
- Successfully validated the improved performance of the proposed framework through experimental investigations on benchmark Hyper Spectral Images datasets.	<i>Python, TensorFlow</i>

## **SKILLS & INTERESTS**

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<b>Languages:</b> Golang, JavaScript, Java, Rust	<b>Domains:</b> Web, Micro Services, CDN
<b>Hobbies:</b> Blogging, Badminton	<b>Management:</b> Team Building, Leadership, Public Speaking

## **CERTIFICATIONS**

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<b>Silver Elite Certificate in Java - NPTEL IIT Kharagpur</b>	<b>Accomplishment in Hash Code – Hash Code 2022</b>
<b>App Inventor – Google Code to Learn</b>	<b>Selfless Community Service – New Era Family</b>

I hereby confirm that the information provided above is correct as per the best of my knowledge as of 30 Jan, 2026