

HARSH SONKAR

📞 98889-82877 ✉️ beingsonkar@gmail.com [🌐 LinkedIn](#) [🐙 Github](#) [👤 Portfolio](#)

Education

Sant Longowal Institute of Engineering and Technology

Bachelor of Engineering in Computer Science

Dec 2021 – Jun 2025

Sangrur, Punjab

Technical Skills

Operating Systems: Linux (Ubuntu, CentOS), Windows
Networking: TCP/IP, DNS, Load Balancing, VPN, Firewalls
Cloud Computing: AWS (EC2, S3, IAM, CloudWatch, Lambda), Docker, Kubernetes
Programming/Scripting: Python, Bash, Java, SQL, C/C++
Databases: MySQL, PostgreSQL, DynamoDB
Automation: Terraform, Ansible, Jenkins

Experience

Ardent Computech

Cloud/DevOps Intern

Jun 2024 – Aug 2024

Sector V, Kolka

- Managed and optimized AWS **EC2** instances, implemented IAM roles, and set up **CloudWatch** monitoring.
- Automated server provisioning using **Terraform** and configured **Ansible** for application deployment.
- Developed a **CI/CD** pipeline using **Jenkins** to automate testing and deployment, reducing deployment time by 40%.

Projects

Cloud Resume | *AWS, Python, JavaScript* [🐙](#) [🔗](#)

Feb 2025

- Built a cloud-based portfolio website hosted on **AWS S3** with a visitor counter using **AWS Lambda** and **DynamoDB**.
- Configured **Route 53** for domain management and used **AWS Certificate Manager** for SSL/TLS security.
- Implemented a global content distribution network using **CloudFront** to enhance performance and security.
- Set up a serverless API using **API Gateway** integrated with **Lambda** for real-time visitor tracking.

Smart Attend | *Next, TypeScript, PostgreSQL, Tailwind, shaden* [🐙](#) [🔗](#)

Dec 2024

- Developed an AI-powered attendance management system for efficient **proxy detection**.
- Integrated **geo-location** APIs and **ultrasonic frequency** validation to ensure accurate attendance tracking.
- Created an **analytics dashboard** and deployed the app on AWS using **Amplify**.

Book My Slot | *React, Redux, Node.js, MongoDB, Firebase, Express, Python* [🐙](#) [🔗](#)

Mar 2024

- Designed an appointment scheduling algorithm with **MongoDB triggers**, reducing wait times by 40%.
- Developed a RESTful API, debugged **real-time updates** on doctor availability using **facial recognition** (AI).
- Created an **analytics dashboard** for administrators to show **appointment trends** and optimize resource allocation.
- Integrated **Twilio** to send **SMS and email notifications** to patients for alerts and reminders.

Leadership / Extracurricular

Amazon Web Services

Cloud Club Captain

Feb 2024 – Present

- Led a series of hands-on workshops on cloud computing topics, including static site hosting, **Lambda** functions, and Amazon **Bedrock**, empowering over 60 students with practical skills and boosting team proficiency in AWS technologies.

SLIET Software Development Club

Programming Head

Aug 2023 – Nov 2024

- Taught **data structures and algorithms** to students while mentoring them in **software development**, organized monthly coding contests, guest speaker seminars, and hackathon, fostering technical growth and community engagement

Certifications

AWS Certified **Solutions Architect Associate** (SAA-C03)

AWS Certified **Cloud Practitioner** (CLF-C02)

Achievements

- Achieved **Global Rank 57, 96, 98** in Starters 129, 76, 84 on **Codechef**
- **Winner** in Ideation Phase of **Indian Web Browser Development Challenge** by MeitY, Govt. of India
- **Ranked 41** in the 2023 **ICPC Asia Amritapuri Doublesite Regional Contest**