

Sahil Shaikh

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Skills:

- **Languages:** C, C#, C++, Java, JavaScript, Python, Assembly
- **Frameworks:** HTML, CSS, NodeJS, Flask, Django
- **Data/ML:** Pandas, NumPy, Scikit-Learn
- **Clouds & Databases:** Amazon Web Services, IBM Cloud, MongoDB
- **Core CS:** Advanced Data Structures & Algorithms, Competitive Programming

Projects:

FloppyOS (Hobby Operating System): Dec 2025

- Designed and developed a custom 32-bit hobby OS with GUI, running on QEMU.
- Implemented memory management, tasking, system calls, filesystem drivers and a full window manager with custom UI components.
- **Tech:** Assembly, C, GCC Toolchain, GRUB, QEMU, Make, Git/GitHub.
- [GitHub](#)

AWS CI/CD Portfolio Deployment: Nov 2025

- Engineered a fully automated CI/CD pipeline using GitHub Actions to deploy a static portfolio website to AWS S3.
- Configured AWS IAM for secure credential management and scripted AWS CLI commands to validate files and trigger automatic updates on every main branch push.
- **Tech:** HTML, CSS, JavaScript, AWS S3, AWS IAM, AWS CLI, GitHub Actions
- [Live Link](#) | [GitHub](#)

Basic Chat Application: Aug 2025

- Created a Full-Stack Web Application with user authentication and responsive UI.
- Stored user data and messages in MongoDB and deployed backend on Render.
- **Tech:** HTML, CSS, JavaScript, NodeJS, MongoDB, Render
- [Live Link](#) | [GitHub: FrontEnd, BackEnd](#)

Certifications:

- Introduction to Generative AI – Google Cloud | Grade: 80% Feb 2024
- Cybersecurity for Everyone – University of Maryland | Grade: 81.22% Feb 2024
- Introduction to Cloud Computing – IBM Professional | Grade: 76% Mar 2024
- Introduction to Hardware and Operating Systems – IBM | Grade: 87.5% Sep 2024
- Computer Communications – University of Colorado System | Grade: 94.86% Nov 2024
- Cloud Computing using AWS – CipherSchools Jul 2025

Education:

- **Lovely Professional University – Punjab, India** Aug 2023 – Present
Bachelor of Technology, Computer Science & Engineering | GPA: 7.1
- **Jai Hind Jr. College – Maharashtra, India** June 2021 – May 2023
Intermediate (HSC), PCM with Computer Science | 61.6%
- **Don Bosco High School – Maharashtra, India** Mar 2021
Matriculation (SSC) | 90.6%