

Soham Khataavkar

Mumbai | soham1260@outlook.com | +91 7499388208 | soham-khataavkar.onrender.com
linkedin.com/in/soham-khataavkar-899abb22b/ | github.com/soham1260

Education

National Institute of Technology Nagpur <i>B.Tech in Computer Science and Engineering - CGPA: 8.32/10.0</i>	July 2021 – May 2025 Nagpur, Maharashtra
Indian Institute of Technology Bombay <i>M.Tech in Computer Science</i>	July 2025 – May 2027 Mumbai, Maharashtra

Projects

side+ <i>MongoDB, ExpressJS, ReactJS, NodeJS, Azure VM, Docker, Gemini AI</i>	Demo Frontend Backend
<ul style="list-style-type: none">Developed a full-featured online code execution platform supporting C, C++, Java, Python, and JavaScript.Integrated Docker-based isolated execution environments using Docker images (e.g., GCC, OpenJDK) with features like execution time limits and automatic container cleanup, to enhance security.Integrated features such as auto-save, auto-completion, cloud-save, local-save, and code-share with a rich code editor interface to enhance the user experience.Deployed on a scalable and reliable Azure Virtual Machine, enabling efficient remote code execution.Integrated Gemini AI for intelligent coding assistance, including code reviews, bug detection, and debugging suggestions.	
Globe Trotters <i>MongoDB, ExpressJS, ReactJS, NodeJS, Cloudinary, Gemini AI</i>	Demo Frontend Backend
<ul style="list-style-type: none">Developed a vibrant travel blog platform enabling users to share experiences through multimedia blogs.Implemented secure user authentication using JWT and bcrypt, enhanced with Google OAuth2 social login integration. Additionally, enabled efficient content retrieval through MongoDB's full-text indexing.Utilized Cloudinary's Node.js SDK for efficient upload, storage, and delivery of images and videos, ensuring optimized media performance across the platform.Leveraged Gemini AI to enhance both blog creation and reading experiences, offering features such as smart suggestions, summarization, and contextual insights, among others.	
Setris <i>C++, Raylib, Make, CMake</i>	Demo GitHub
<ul style="list-style-type: none">Developed a custom implementation of Tetris in C++, enabling players to fully customize gameplay rules such as speed, block shapes, and drop behavior.Built with a fully modular architecture leveraging core Object-Oriented Programming (OOP) principles, enabling clean separation of concerns, enhanced code reusability, and ease of scalability and maintenance.Deployed a web demo by compiling the core C++ logic to WebAssembly using Emscripten, seamlessly integrating it into a ReactJS frontend for efficient and smooth in-browser execution.	

Achievements

Microland Smart Infra Hackathon - Winner	October 2024
<ul style="list-style-type: none">Developed a full-stack AI-powered health chatbot as part of a company-sponsored hackathon.Handled backend development, deployment and coordinated project integration to ensure smooth collaboration.Performance in the hackathon led to a full-time job offer from Microland as a <i>Software Developer</i>.	

Technical Skills

Languages: C, C++, JavaScript, SQL

Web Development: HTML, CSS, ReactJS, NodeJS, ExpressJS, REST APIs

Databases: MongoDB, MySQL

Tools & Platforms: Docker, Make, CMake, Cloudinary, Azure Virtual Machines, Render, Git, GitHub

Relevant Coursework

• Data Structures	• Operating Systems	• Computer Networks	• Database Management
• OOP	• Algorithms	• Computer Architecture	• Software Engineering