

Soham Sachin Pirale

Bachelor of Technology Computer
Science and Engineering
INDIA
Education

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Degree	Institute	CGPA	Year
B.Tech C.S.E.	ADCET Ashta	8.66	2023 - 2027

Projects

1. n8n Clone - AI Powered workflow management system

Sep 2025



- Fully functional open-source workflow automation platform mirroring n8n, with AI-powered nodes and seamless integrations for Telegram and Gmail
- Tech Stacks : Node.js, TypeScript, Vue.js, PostgreSQL, Telegram Bot API, Gmail API, OpenAI API
- Engineered a complete clone of n8n, an acclaimed open-source automation tool, providing a drag-and-drop node-based interface for building, testing, and deploying complex, scalable workflows without code
- Integrated AI nodes for advanced data processing and conditional logic, enabling intelligent automation decisions, alongside bidirectional Telegram messaging (send and wait for response) and Gmail send capabilities for dynamic communication flows

2. Exness Clone - Live trading platform using low latency systems

Aug 2025



- Comprehensive full-stack replication of Exness, a premier multi-asset online trading broker, enabling simulated forex, CFD, crypto, and stock trading with real-time market insights and secure user management
- Tech Stacks: React.js, Node.js, Express.js, MongoDB, Socket.io, Chart.js, JWT Authentication, TradingView API Integration
- Architected a robust full-stack trading platform mirroring Exness's core functionalities, including user registration with KYC verification, multi-currency account management, and a dynamic dashboard for live market quotes, trade history, and equity balances

3. DockHost V2 - SSH enabled docker container deployments and orchestration

July 2025



- Distributed container orchestration platform enabling on-demand Ubuntu instances with SSH access, automatic port forwarding, and scalable backend management for cloud-like VM provisioning
- Tech Stacks : Next.js, React, Express.js, Socket.io, MongoDB, Node.js, Docker
- Engineered SSH-enabled Docker containers with automated port mapping for secure terminal access

Skills

- Programming: Typescript, JavaScript, Python, C++, C
- Frameworks: Langgraph, React, Next.js, Express,
- Tools: Git, JWT, Multer, Cloudinary, Postman, Github, AWS S3, AWS EC2, Vercel
- Databases: MongoDB, PostgreSQL, Neo4j, TimescaleDB
- Development Environment: Linux 1+year, GitHub Code spaces

Achievements

- Developed advanced algorithm solutions from graph theory to **6-dimensional dynamic programming**
- Completed 200+ DSA problems across [LeetCode](#) and personal [implementations](#)
- Built **terminal-based graph application** for shortest path finding between lab PCs using Linked-List implementation



Extra - Curricular Activities

- Won Runner-up positions in 2 college - level Group Discussion competitions with 250+ and 150+ participants
- Event Coordinator - JRD Tata Memorial Event (Nov 2024): Led presentation on industrial contributions for 200+ attendees
- Protocol Team Member - Deputy Collector Visit (2025): Selected for VIP escort team, coordinated logistics for high-profile government official visit