

Subhradip Sinha

954-777-8398 | sbhrdpsinha@gmail.com | subhro.pages.dev | github.com/dipsubhro

Full-stack developer experienced in building scalable web applications with cloud-native deployments on AWS using infrastructure-as-code. Strong backend focus on designing concurrent and high-performance services.

EDUCATION

Maulana Abul Kalam Azad University of Technology

B.Tech in Computer Science and Engineering

RHS – WBBSE, WBCHSE

X: 93% (2020), XII: 92% (2022)

Aug. 2022 – Jul. 2026

2020 – 2022

EXPERIENCE

Full-Stack Developer (Freelance Contract)

2025

Sec-Prop Project

- Contributed **48+ commits** across UI and backend systems as a full-stack developer.
- Delivered production-ready features and collaborated via GitHub.
- Commit history: github.com/akcanuv/sec-prop

Full-Stack Contributor

2025 – Present

amidarh.com

- Contributed **50+ commits** to course APIs and backend reliability.
- Enhanced the internal notification delivery system.
- Commits: github.com/Amidarh-ltd/flow-backend/commits/notifications

Full-Stack Contributor

2024 – Present

messmate.com

- Built QR-based check-in flow, leading to a **30% increase in user adoption**.
- Contributed regularly to the platform's onboarding and workflow features.
- Commits: github.com/...

PROJECTS

Web IDE Development | *React, Express, Socket.IO, Node-pty*

2025

- Built a web-based IDE supporting real-time terminal execution with isolated environments.
- Integrated live terminal interaction using Socket.IO and Node-pty.
- Self-hosted on **AWS** with controlled traffic and restricted access.
- Live: subterm.duckdns.org

PDF AI Chatbot (RAG) | *Next.js, Express, LangChain, BullMQ, HuggingFace*

2025

- Created an AI assistant that answers PDF-based queries using a Retrieval-Augmented Generation approach.
- Handled PDF processing with BullMQ queues and LangChain embeddings.
- Built APIs in Express.js and the frontend with Next.js.
- GitHub: github.com/dipsubhro/pdf-AI

AI Image Rekognizer | *HTML, CSS, JavaScript, AWS Lambda, Terraform*

2024

- Implemented an image recognition tool with a lightweight JS interface.
- Processed images using Python functions deployed on AWS Lambda.
- Provisioned infrastructure and deployment using Terraform.
- Live: tinyurl.com/rekogniser

TECHNICAL SKILLS

Languages: TypeScript, Python, Golang, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js, Node.js, Express.js, BullMQ, Socket.IO

Cloud & DevOps: Docker, AWS (EC2, S3, ECS), Redis, Terraform

Developer Tools: Git, GitHub, VS Code, Postman, Vercel

Databases: MongoDB, PostgreSQL, Redis