

YOUR NAME

YOUR-PHONE | your@email.com | linkedin.com/in/yourlinkedin | github.com/Ashking-tech

AI & DS undergraduate with strong systems and backend engineering background, expanding into ML/DL.

EDUCATION

YOUR COLLEGE / UNIVERSITY

Bachelor of Engineering in Artificial Intelligence And Data Science

City, State

Expected Month Year

EXPERIENCE

Web3SSH Hackathon

2025

Participant

Remote

- Built EthPe, a decentralized Ethereum payment backend, under hackathon constraints with bcrypt auth, JWT sessions, and ReentrancyGuard-protected smart contract interactions
- Delivered a fully functional Web3 product under time pressure, demonstrating rapid full-stack execution

PROJECTS

SSH Honeypot | *Go, crypto/ssh, ED25519, Docker*

2026

- Architected a production-grade deception system in Go acting as a legitimate Ubuntu 22.04 SSH server, trapping and profiling malicious actors via a convincing 20+ command interactive shell
- Built a low-level SSH daemon from scratch using Go's `crypto/ssh` library, covering ED25519 host key negotiation, pseudo-terminal allocation, and geospatial enrichment of captured attack telemetry
- Containerized the full stack via Docker for one-command deployment; shipped a live monitoring dashboard with aggregated attacker statistics

BitTorrent Client | *Node.js, TCP/UDP, Binary Protocol Engineering*

2025

- Engineered the BitTorrent wire protocol at the binary level and implemented the full peer-to-peer download pipeline from scratch — UDP tracker negotiation, peer handshaking, choke/unchoke state machines, and concurrent piece scheduling
- Designed a block-level file reconstruction pipeline with real-time progress tracking; achieved verified end-to-end downloads from live public peers

git-visualize | *Go, CLI Tooling, Git Internals*

2026

- A Go CLI utility that recursively scans local repositories and renders a GitHub-style contribution heatmap in the terminal with color-coded commit intensity over a rolling 6-month window
- Released as open-source (v1.0.0) with a zero-dependency Linux installer distributed via `curl`; earned GitHub Pull Shark recognition for sustained contribution cadence

EthPe – Decentralized Payment Backend | *Node.js, Express.js, MongoDB, JWT, Web3*

2025

- Architected and deployed the backend for a decentralized Ethereum payment platform at the Web3SSH Hackathon, bcrypt-hardened auth, stateless JWT sessions, and layered request-integrity middleware
- Integrated on-chain ETH transfer logic with ReentrancyGuard mitigation, safeguarding smart contract interactions against exploitation under competitive time constraints

TECHNICAL SKILLS

Languages: Go, JavaScript, Python, C/C++, Shell/Bash

Backend & Frameworks: Node.js, Express.js, REST API design

ML & Data: Python, NumPy, Pandas (learning: PyTorch, Deep Learning)

Systems & Networking: TCP/UDP socket programming, binary wire protocols, SSH internals, Git internals, Linux

Security: ED25519 key negotiation, JWT, bcrypt, reentrancy mitigation, honeypot-based threat capture

Tools: Git, GitHub, Docker, docker-compose, npm