Bhuvan M. Acharya

B.TECH COMPUTER SCIENCE & ENGINEERING — IIIT TIRUCHIRAPPALLI — CLASS OF 2028 — INDIA

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EDUCATION

Indian Institute of Information Technology, Tiruchirappalli
B.Tech, Computer Science & Engineering — Class of 2028 (2024 - 2028)

LEADERSHIP

Quantum Club, IIIT Tiruchirappalli — Co-founder & Head

- Co-founded on 26 October 2026 - the first quantum computing community at the institute

Training & Placement Cell - Head

- Direct point of contact between companies, organizations and students
- Company communication and hiring drive coordination, end to end
- Student assistance through every stage of a drive; organizing placement-related activities

Web Development Club - Head

- Technical leadership and development initiatives; community participation and events

PROJECTS

NeuroWeave

Graph-native platform for reproducible computational research - run records, provenance, output caching, CLI/API/Studio (github.com/j4b3-21/neuroweave)

`PYTHON - TYPED GRAPHS - CONTENT-ADDRESSED CACHING`

CampusHire

Configurable college placement & recruitment management platform - 244 automated tests, three-layer authorization, production compose (github.com/j4b3-21/CampusHire)

`JAVA 25 - SPRING BOOT 4.1 - NEXT.JS 16 - POSTGRESQL 18 - KEYCLOAK - OPENFGA - REDIS`

BM4A

Metadata-driven multi-tenant platform foundation - records, relationships, audit, tenancy (github.com/j4b3-21/BM4A)

`SPRING BOOT - POSTGRESQL - KEYCLOAK - OPENFGA`

Atrang

Technical fest management system with a Three.js 3D world - team of 4, DBMS Lab (atrang.vercel.app)

`NEXT.JS - THREE.JS - SPRING BOOT 3.3.4 - POSTGRESQL`

OFFLINE

Offline-first AI walking companion - success measured by how little you need it (github.com/j4b3-21/OFFLINE)

`REACT NATIVE - EXPO - SQLITE - GPS - TTS`

PTFS

Priority-tag file system on MIT xv6 (github.com/j4b3-21/Priority-Tag-File-System)

`C - XV6 - FILESYSTEMS`

SKILLS

PRODUCT ENGINEERING
React - Next.js - TypeScript - Java - Spring Boot

SYSTEMS
PostgreSQL - Redis - API design - system architecture - authorization

INFRASTRUCTURE
Docker - Nginx - Linux - CI/CD - deployment & automation

EMERGING (EXPLORING)
AI/ML - deep learning - quantum computing