ROHAN JM

Kalaburagi, Karnataka, India | +91 74833 53995 | rohanjm911@gmail.com
linkedin.com/in/rohanjm0 | github.com/Rohanjm911 | tryhackme.com/p/Thereddragon

EDUCATION

Sharnbasva University Kalaburagi, Karnataka
Bachelor of Technology (B.Tech) in Computer Science & Engineering Aug 2023 – Present (Expected 2027)
Core Concepts: Data Structures & Algorithms (DSA), System Design, Cloud Security, Blockchain Architectures

TECHNICAL SKILLS

Languages: C++, C, Java, Python
Web & Frameworks: HTML5, CSS3, JavaScript, React.js, Node.js, Express.js, MongoDB (MERN Stack), Next.js, FastAPI, REST APIs, Tailwind CSS
Developer Tools: GitHub, Docker, Linux/Unix Shell, Unreal Engine 5, VS Code
UI/UX & Multimedia: Figma, Lunacy, Adobe Photoshop, DaVinci Resolve, Adobe Premiere Pro, Sony Vegas Pro, Filmora, Audacity, FL Studio

EXPERIENCE

WebStack Academy Remote
MERN Stack Developer Intern Aug 2026 – Sept 2026
- Engineered full-stack features for **HomelyHub** rental platform using React.js, Node.js, Express, and MongoDB.
- Architected stateless JWT authentication and role-based access control (RBAC) to enforce multi-tenant authorization security.
- Developed high-throughput RESTful API endpoints and designed normalized MongoDB schemas for responsive client delivery.

Wogle Tech Hybrid
Game Development & Interactive Systems Intern May 2026 – June 2026
- Programmed modular gameplay mechanics and interactive control systems using C++ and Unreal Engine 5 visual blueprints.
- Prototyped player movement mechanics, vehicle physics simulations, and engine asset pipelines for frame rate optimization.

KEY PROJECTS

ID one – Decentralized Cryptographic Identity & Key Management Next.js, TypeScript, FastAPI, WebCrypto, Solidity
- Architected a passwordless cryptographic identity platform eliminating centralized credential risks via client-side WebCrypto keypair generation.
- Integrated FastAPI microservices with Solidity smart contracts to execute tamper-proof on-chain identity attestations and signature verifications.

Arc-Nomad – Intelligent Route Optimization & Journey Planner React.js, Express.js, Mapbox API, Node.js
- Built an interactive route planner computing automated distance trajectories, fuel consumption models, and trip expenses.
- Integrated dynamic third-party mapping APIs and asynchronous geocoding to provide real-time waypoint rendering and navigation.

Agri-Share – Peer-to-Peer Agricultural Equipment Sharing Marketplace MERN Stack, REST APIs, GeoJSON
- Developed a digital marketplace connecting regional farmers to list, discover, and lease heavy machinery directly, reducing rental overhead.
- Engineered geospatial proximity queries using MongoDB GeoJSON indexing with automated booking schedules and transaction tracking.

Mail-Sentinel – Automated Email Threat & Phishing Detection Scanner Python, MIME Parser, Security Heuristics
- Built an automated cybersecurity analyzer in Python parsing raw RFC MIME headers to verify SPF, DKIM, and DMARC domain records.
- Implemented heuristic classification algorithms to identify deceptive URL redirects, spoofed domains, and credential-harvesting vectors.

CERTIFICATIONS AND COURSES

- **Oracle AI Database Certified Foundations Associate:** Validated foundational expertise by Oracle University across AI Vector Search, Autonomous AI Database 26ai architecture, and integrated data models.
- **AWS Academy Graduate – Cloud Foundations:** Certified in AWS global infrastructure, core cloud services (EC2, S3, IAM, VPC), and cloud security architecture.
- **Blockchain Architecture Specialist (Infosys Springboard):** Certified in distributed ledger concepts, cryptographic hashing principles, consensus algorithms, and Ethereum smart contracts.
- **Full Stack Web Development with AI Tools (Next Gen Program):** Mastered modern web architectures, integrated automated testing suites, and streamlined production code generation using generative AI pipelines.
- **AI Skills Passport:** Validated foundational proficiency across machine learning lifecycles, enterprise generative AI paradigms, ethical AI safety governance, and structured prompt engineering workflows.
- **Innovation Festival Award:** Conferred technical exhibition honors and certificate for applied engineering excellence in designing and prototyping practical software and hardware solutions.
- **Adobe University Hackathon 2026:** Qualified participant in nationwide assessment rounds focused on advanced algorithmic problem solving and software engineering principles.