# Naveen Kumar M

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## About Me

**Software Developer** with **internship experience at Pearson and Infisign Inc,** specializing in **full-stack web application and blockchain development.** Proficient in architecting, implementing, and optimizing scalable software solutions, and **seeking a Software Development role** to apply advanced technical skills in high-impact projects.

## Education

**Indian Institute of Technology (ISM) Dhanbad** — Dhanbad, Jharkhand
*Bachelor of Technology in Engineering Physics* — *October 2022 - May 2026 (Expected)*
- CGPA: 3.16/4.0 (4-point scale)

## Experience

**Pearson** — June 2025 – August 2025
*Software Intern (Bangalore, Karnataka)*
- Developed a **schema-driven App Extension** to manage **data-model extensions** across resource hierarchies, **reducing configuration time by 70%.**
- Deployed secure and scalable app extension endpoints using **AWS Lambda and API Gateway,** with secrets managed via A**WS Secrets Manager, enabling stateless API execution** and **reducing infrastructure overhead by 40%.**
- Designed and integrated an **prompt-driven design-to-code pipeline** that transforms design tokens and component structures into **deployable UI logic,** reducing **front-end development cycles by 60%.**

**Infisign Inc - @Entrans Technologies** — June 2024 – July 2024
*Software Intern (Chennai, Tamilnadu)*
- Orchestrated the **enhancement of IAM and PAM protocols**, leading to a **50% reduction** in access request processing time and bolstering overall system security.
- Evaluated **Decentralized Identity (DID) protocols against OpenID for Verifiable Credentials (VC);** provided detailed insights that improved authentication frameworks and anticipated to reduce data breaches by 30%
- **Prototyped passwordless authentication** workflows using **SSI-based verifiable credentials** with DIDComm protocol integration.

## Projects

**BigCommerce Data-Model Extension App** | *Node.js, Next.js, DynamoDB, AWS Lambda, API Gateway*
- Architected a **pluggable extension framework** to **parse and visualize metafield data** from robust BigCommerce schemas, supporting **5+ resource types** and reducing manual **API calls by 70%**
- Integrated **BigCommerce token exchange** using **node-bigcommerce** and persisted **scoped tokens in DynamoDB** for secure, multi-store API access.
- **Implemented secure request routing** using **AWS Lambdas** and **environment-specific configurations** using programmatic secrets handling and **endpoint orchestration.**

**CryptoWallet-MetaMask-Clone** ⎘ | *React JS, Ether.js, Firebase, Moralis API, Node.js, Tailwind*
- Developed **CryptoWallet - MetaMask Clone**, a **cryptocurrency wallet application.**
- Implemented **secure account creation, recovery, transaction processing, and history tracking features** that reduced **unauthorized access by 30%** and boosted customer trust through enhanced security protocols.

**Agentic Chatbot and MCP Systems** ⎘ | *Node.js, TypeScript, MCP Servers, MCP Clients, LLM Agents*
- **Engineered an end-to-end MCP communication layer** integrating with **Figma and BigCommerce MCP client-server** endpoints to **automate design-to-code workflows** and **extend the data-model of objects.**
- Designed an **stateful conversational agent** that mapped natural language to **powerful MCP request flows, automating UI code generation** and reducing **developer input time by 60%.**

## Technical Skills

**Languages**: **C++, Python, JavaScript,** Java, TypeScript, Motoko.
**Frameworks & Tools**: **Node.Js, Next.Js, AWS Lambda, AWS API Gateway, DynamoDB,** Firebase, API Integrations, **RESTful and GraphQL services**, Tailwind, Matplotlib, **DIDcommV2,Peer:DIDs**, Git and Github,
**Concepts**: **Blockchain, Web-Application Development, Cloud Engineering(AWS),** Encryption, Decryption, SAML, **Open ID, OAuth2.0, ZKP(Zero Knowledge Proof),IAMs and PAMs, Artificial Intelligence, Machine Learning.**

## Relevant Courseworks and Social Engagements

- **Online Certifications:** Blockchain: Complete Hyperledger Fabric Development Bootcamp ⎘ ;
- **Club Member :** at **Cyber Labs - BlockChain Division**