Aryan Singh Bisht

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SUMMARY

Full-stack developer with expertise in React, Node.js, AWS, DevOps, and Solana blockchain development. Built GenAI system at Samsung PRISM achieving 48.92% boost in DSL query accuracy and developed scalable e-commerce and DeFi applications. Experienced in cloud infrastructure, microservices, and decentralized applications.

EXPERIENCE

Samsung PRISM Research Intern   Sep 2024 – May 2025
VIT Vellore   *Vellore, India*
- Increased PromQL query generation validity to 83.33% implementing modular RAG framework with hybrid retrieval, achieving 48.92% improvement over baseline
- Decreased query ambiguity for complex inputs by introducing agentic RAG flows with LangChain tool orchestration
- Enhanced scalability by curating datasets (Prometheus docs, Kaggle NL–PromQL pairs) ensuring simple to complex intent coverage

PROJECTS

TechVerse Blog | *Next.js, React, TypeScript, Prisma, PostgreSQL* | Live   GitHub
- Built full-stack blogging platform with Next.js App Router, server-side rendering, dynamic search, and responsive design
- Implemented Prisma ORM with PostgreSQL, Clerk authentication, role-based access, comment/like systems, and CI/CD via GitHub Actions

E-commerce Website | *React, Node.js, MongoDB, SQL, AWS* | Live   GitHub
- Built cloud-native platform with mobile-first design, dynamic filtering, shopping cart, admin dashboard using dual databases
- Deployed on AWS EC2 with S3, Lambda, CloudFront; integrated Stripe/Razorpay payments and Prometheus/Grafana monitoring

Solana Token Generator | *React, Solana Web3.js, SPL Token* | Live   GitHub
- Built DApp for custom SPL token creation with Wallet Adapter integration supporting Phantom and Solflare wallets
- Implemented minting logic with mint account creation, real-time transaction status, and wallet balance validation

Fun.Pump Launchpad | *Next.js, Solidity, Hardhat, Ethers.js* | Live   GitHub
- Built decentralized launchpad with Solidity smart contracts using Factory pattern for permissionless token creation with bonding curves

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, SQL, Rust, Solana Web3.js, Solidity
Frameworks: React.js, Next.js, Node.js, Express.js, Solana Wallet Adapter, Hardhat
Databases: MongoDB, PostgreSQL, MySQL, Prisma ORM
DevOps & Cloud: Docker, Kubernetes, Prometheus, Grafana, AWS (EC2, S3, Lambda, CloudFront, CloudWatch, API Gateway)
Other: Git, REST APIs, Microservices, Event Driven Architecture, DApps, AI/ML, Blockchain, CI/CD
Certifications: AWS Solutions Architect, AWS Cloud Practitioner, Azure AI Engineer, Microsoft:Azure AI Fundamentals

EDUCATION

Vellore Institute of Technology   Sept. 2022 – Dec. 2026
Bachelor of Technology in Information Technology   *Vellore, India*
City Montessori School   2019 – 2021
Indian School Certificate - XII (91.7%), X (92.7%)   *Lucknow, India*