

# KODIDELA DINESH NAIDU

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## SUMMARY

- Full-Stack & Distributed Systems Engineer specializing in low-latency trading infrastructure, microservices architecture, and real-time data systems.
  - Experienced in building high-performance fintech platforms including trading engines, market data pipelines, and affiliate (IB) systems. Strong expertise in WebSockets, async processing, distributed databases, and fault-tolerant system design.
  - Proven ability to design and deploy production-grade systems end-to-end, optimize latency under heavy load, and scale platforms serving 1M real-time users.
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## WORK EXPERIENCE

### Fullstack developer- LiveFx Hub

May 2025 - Present

- Architected and implemented a microservices-based trading platform, managing 10+ independent services with a database-per-service architecture (PostgreSQL).
- Designed and developed a scalable Introducing Broker (IB) system, enabling referral tracking, commission distribution, and real-time earnings across services.
- Built low-latency trading infrastructure, handling order execution, price feeds, and transaction pipelines using WebSockets and async processing.
- Engineered a real-time OHLC aggregation engine (1s → 1M timeframes) using Redis + PostgreSQL for efficient time-series querying.
- Developed a high-performance data retrieval microservice supporting dynamic queries (symbol, timeframe, time range) with optimized indexing strategies.
- Implemented event-driven communication using Redis Pub/Sub (extensible to Kafka), reducing service coupling and improving scalability.
- Designed and deployed containerized infrastructure (Docker + K3s) with automated CI/CD pipelines for seamless updates.
- Managed production systems including Nginx, SSL, load balancing, and cloud VM deployments, ensuring high availability.
- Improved system performance and reliability under heavy market load through multi-threading, async I/O, and fault-tolerant design.
- Reduced system downtime by ~70% via backend optimizations and improved error handling mechanisms.

### Intern Full stack developer - Live Fx Hub

Feb2025 - May 2025

- Developed a full-stack Refer & Earn (IB) system integrated with trading workflows.
- Built responsive frontend dashboards with real-time updates via WebSockets.
- Integrated TradingView charts and live market data feeds for enhanced user experience.
- Designed and implemented backend APIs for user management, trading data, and affiliate tracking.
- Optimized backend services to improve performance and reduce latency

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## CORE SKILLS

- **Backend & APIs:** Python (Django, FastAPI), REST APIs, WebSocket, Webhooks, Node.js, PostgreSQL, MySQL
  - **Frontend:** HTML, CSS, JavaScript
  - **Trading / Fintech:** Core trading engine optimization, low-latency order routing, error handling, reliability engineering
  - **Infrastructure:** Microservices Architecture , K3s (Kubernetes) , Docker, Nginx, uWSGI, SSL, Load Balancing, Cloud VMs , CI/CD Pipelines
  - **Tools & Others:** Firebase, TradingView Charts, Multi-threading, Async I/O, Performance Tuning
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## EDUCATION

- **Bachelor of Technology** in Electronic Communication and Engineering GITAM University, Bengaluru | Completed 2024 | CGPA: 6.98
  - **Intermediate (MPC)** Sri Chaitanya Jr College, Kurnool | Completed 2020 | CGPA: 7.82
  - **High School** St. Joseph Public School, Ananthapur | Central Board | Completed 2018 | CGPA: 6.5
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## PROJECTS

### Facial Recognition using LBPH Algorithm

- Developed a robust facial recognition system using Local Binary Patterns Histogram (LBPH).
- Enabled accurate real-time identity verification for security and authentication purposes.
- Optimized for speed and precision, making it suitable for practical applications like access control.

### Detecting Phishing Websites using AI/ML

- Built a machine learning model to detect phishing websites by analyzing URL patterns, website content, and metadata.
  - Improved online security by accurately classifying malicious sites and reducing false positives.
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## ACHIEVEMENTS

- Reduced backend system downtime by ~70% through architectural improvements.
  - Delivered end-to-end trading platforms from scratch under tight deadlines.
  - Built scalable systems handling real-time market data and concurrent users.
  - Improved system reliability under high market volatility conditions.
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## DECLARATION

I hereby declare that all the information provided in this resume is true and accurate to the best of my knowledge.