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**EDUCATION DETAILS**

COURSE	SPECIALIZATION	INSTITUTE / COLLEGE	BOARD / UNIVERSITY	YEAR
BTECH	CSE	GEU	GRAPHIC ERA DEEMED UNIVERSITY	2024

<b>Subjects / Electives</b>	Data structures and Algorithms, Database Management Systems, Computer Networks, Object Oriented Programming, Operating System, Cloud Computing and Virtualization, Software Engineering, Business Intelligence, Mobile App Development
<b>Technical Proficiency</b>	HTML, CSS, JavaScript, MongoDB, Express.js, React.js, Next.js, Node.js, C/C++, MySQL, Java, Python, Apache Kafka, Docker, Kubernetes

**WORK EXPERIENCE**

<b>Software Engineer, Spizen Technologies</b>	<b>Dec 2025 – Present</b>
<ul style="list-style-type: none"> <li>Architected and shipped a <b>high-throughput automated</b> trading platform from 0 → 1, processing <b>thousands of order requests per hour</b> across <b>5+ Solana DEXs</b> with instant market execution and conditional limit order triggering – <b>achieving 99% slot-accurate</b> execution through an event-driven daemon architecture with MEV-optimized Jito bundle routing.</li> <li>Built a <b>risk-managed execution engine</b> with simulation mode, automated token sniping rules, multi-tier take-profit/trailing stop-loss, max-hold timeout enforcement, and real-time liquidity rug protection, paired with a live <b>Next.js analytics dashboard</b> — enabling fully <b>autonomous 24/7</b> trading strategies with zero manual intervention and continuous P&amp;L optimization.</li> <li>Owned <b>end-to-end platform reliability</b> across <b>4 Kubernetes clusters with CI/CD</b>, full observability (<b>Prometheus, Grafana, OpenTelemetry</b>), and a 3-layer transaction confirmation pipeline — achieving near-zero missed trades during peak volatility, protecting active positions through instant automated exits, and scaling infrastructure to sustain high-frequency order throughput with sub-second response times.</li> </ul>	
<b>Full Stack Web Developer, Systaldyn Consultancy Pvt. Ltd</b>	<b>Apr 2024 – Dec 2025</b>
<ul style="list-style-type: none"> <li>Developed a <b>Kafka-based real-time data pipeline</b> in <b>JavaScript</b>, handling <b>5M+ well data points daily</b>, optimizing <b>Kafka consumers</b> for <b>ML model processing</b>, and improving <b>throughput by 30%</b>.</li> <li>Built a <b>real-time IoT sensor data pipeline</b> using <b>KafkaJS, Node.js, and React</b>, integrating <b>ESP32</b> data with <b>MySQL</b> and visualizing insights via <b>Highcharts</b>.</li> <li>Led <b>front-end development</b> for “<b>AI-EASE</b>”, enhancing <b>React &amp; Highcharts dashboards</b> and improving <b>data flow efficiency by 40%</b>.</li> <li>Created a <b>full-stack HR system</b> with <b>employee, asset, and project tracking</b>, streamlining recruitment <b>4x faster</b> and automating <b>1,000+ daily attendance records</b>.</li> <li>Enhanced <b>project management visibility</b>, adopted by <b>15+ teams</b>, and made an attendance system, reducing admin workload by <b>20 hrs/week</b> and boosting efficiency <b>by 20%</b>.</li> </ul>	

**PROJECTS**

<b>EZ-Wallet — Full-Stack Solana Trading Automation Platform</b>	<b>Dec 2025 - Mar 2026</b>
<ul style="list-style-type: none"> <li><b>Implemented</b> a high-performance <b>Rust backend (Axum/Tokio)</b> exposing <b>60+ REST APIs and WebSocket price streaming</b>, using an <b>event-driven daemon architecture (6 workers)</b> to enable sub-millisecond order trigger evaluation across PumpFun, PumpSwap, Raydium, and Meteora DEXs</li> <li><b>Engineered</b> a real-time <b>order execution engine</b> with a finite state machine, multi-tier take-profit and trailing stop-loss logic, <b>Jito MEV bundle optimization</b>, and a <b>multi-stage transaction confirmation pipeline</b> (gRPC → RPC fallback → timeout watchdog).</li> <li><b>Established</b> a <b>three-tier data architecture</b> using <b>SQLite (transactional state)</b>, <b>Redis Streams (event processing)</b>, and <b>ClickHouse (time-series analytics)</b> to handle blockchain price feeds, order lifecycle tracking, and trading decision auditing.</li> <li>Deve <b>Delivered</b> a <b>Next.js 16 trading dashboard (React 19, Radix UI, Tailwind CSS)</b> with WebSocket-driven real-time updates, OHLC charting, automated rule configuration, and multi-wallet management with encrypted key storage; <b>operationalized</b> via <b>Docker, Kubernetes, and GitLab CI/CD</b> with <b>Prometheus, Grafana, Loki, and OpenTelemetry</b> for monitoring and distributed tracing.</li> </ul>	
<b>PHAROS – Real-Time Power &amp; Thermal Optimization Platform</b>	<b>Oct 2025 - Dec 2025</b>
<ul style="list-style-type: none"> <li>Built a <b>micro-frontend ecosystem</b> for real-time operations, simulation, and diagnostics, supporting <b>24x7 monitoring</b> across multiple PHAROS system modules.</li> <li>Developed <b>D3.js-based animated visualizations</b> for Live PHAROS and TES systems, streaming <b>50+ sensor values</b> via <b>WebSocket and MQTT</b> with sub-second UI updates across simulation, live, maintenance, and safety modes.</li> <li>Implemented <b>KPI dashboards, full-screen analytics, alarms/events, and asset health views</b> using <b>Highcharts</b>, visualizing <b>6+ real-time and forecasted metrics</b> and monitoring <b>multiple temperature &amp; flow sensors</b>.</li> <li>Built a <b>Waste Heat Configurator UI</b> with <b>Three.js (GLB models)</b> for environment and site simulation, using <b>Redux</b> for global state management, cross-tab synchronization, and seamless mode switching.</li> </ul>	
<b>Enterprise HR and Project Management System</b>	<b>May 2024 - Nov 2024</b>
<ul style="list-style-type: none"> <li>Built a unified <b>internal web ecosystem</b> combining <b>HR operations and project management</b>, used organization-wide for employee, project, and delivery workflows.</li> <li>Developed <b>HR-facing UI modules</b> for employee and asset management, recruitment workflows, and automated attendance dashboards handling <b>1,000+ daily check-ins</b>.</li> </ul>	

- Designed a **project management interface** with structured workflows (Projects → Iterations → Tasks), hour logging, ticketing, and role-based access for leads, testers, designers, and admins.
- Implemented **role-based dashboards and analytics** including recruitment tracking, attendance summaries, time-log reports, and **burndown charts** for delivery visibility.
- Focused on **clean UI/UX, responsive layouts, and real-time data updates**, significantly reducing manual HR effort and improving cross-team coordination