Aneesh Krishna

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EDUCATION

Purdue University – Honors College   **May 2027**

BS Computer Science & Statistics   Minors: Math & Finance

- **Coursework:** Computer Architecture · Systems Programming · Blockchain Development
- **Organizations**: Boiler Blockchain · Data Mine (CAT) · Purdue Cricket

EXPERIENCE

Caterpillar | *Data Science Researcher*   *Aug 2025 – Present*

- Increased CAT's paint usage efficiency by 10% by consolidating multiple production feeds into a single database
- Minimized unplanned production downtime by 5% using a Django-based reporting tool for system anomalies
- Lowered process evaluation time by 15% with a Power BI dashboard that visualized consumer trends

Playtoon It | *Software Developer Intern*   *Jun 2025 – Aug 2025*

- Scaled to 250+ concurrent players by optimizing ECS & Netcode, cutting server costs by 30% and packet loss by 25%
- Cut latency spikes by 40% and player churn by 20% through event-driven architecture and object pooling
- Reduced bandwidth by 35% by compressing serialized data and implementing delta updates

Retail Hedging | *Software Engineer Intern*   *Mar 2025 – May 2025*

- Secured payment reliability by implementing an Auth0–Stripe integration with RS256-signed JWTs
- Cut login latency in half by optimizing Auth0 token exchange and introducing lazy-loaded components
- Tripled API throughput by replacing continuous client polling with a one-time token fetch pipeline

Full Send AI | *Founding Engineer*   *Aug 2024 – Present*

- Delivered deployable AI agents to clients by packaging automated LLM workflows in modular frontends
- Designed Full Send's production chatbot using React, & Node.js, improving lead response rate by 80%
- Led end-to-end UI/UX revamp of Full Send's website and branding, increasing engagement by 60%

PROJECTS

Freelance DAO – *Ethereum Marketplace*

- Designing a fault-tolerant freelance platform with a multi-signature dispute resolution system (99% uptime)
- Reduced gas costs by 60% by benchmarking smart contracts using Hardhat testing and custom compiler tweaks

Vibe – *Social Network*

- Scaled to 100+ concurrent users with sub-50ms latency using thread pooling and message queues (Java Sockets)
- Improved session reliability by 75% through persistent user authentication and synchronized worker threads

Quiz Stats – *Analytics Dashboard*

- Transformed 50+ raw student data into AI-powered insights by engineering a high-performance analytics engine
- Automated performance insights and difficulty analysis via dynamic visualizations (Pandas, NumPy)

SKILLS

- **Languages:** Python · TypeScript · C/C++ · Java · SQL · Solidity
- **Frameworks:** React · Next.js · FastAPI · LangChain
- **Tools:** Git · Docker · Kubernetes · AWS · Linux