

# Aneesh Krishna

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## EDUCATION

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### 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

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### 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

- Optimized ECS & Netcode to lower server costs by 30% and packet loss by 25% (250+ concurrent players)
- 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

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### 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+ students' raw data into AI-powered insights by engineering a high-performance analytics engine
- Automated performance insights and difficulty analysis using dynamic visualizations (Pandas, NumPy)

## SKILLS

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- **Languages:** Python · TypeScript · C/C++ · Java · SQL · Solidity
- **Frameworks:** React · Next.js · FastAPI · Express.js · LangChain · TensorFlow
- **Tools:** Git · Docker · Kubernetes · AWS · Linux · Firebase · CI/CD · Jenkins · MongoDB