

# Aneesh Krishna

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## EDUCATION

### Purdue University - Honors College

May 2027

B.S. Computer Science & Statistics

Minors: Math & Finance

- **Courses:** OOP (Java) · C/Python Programming · Computer Architecture · DSA · Blockchain · Systems Programming
- **Organizations:** Boiler Blockchain · Purdue DOSA · Cricket and Social Outreach · Tamil Sangam Purdue

## EXPERIENCE

### Caterpillar Inc. (Data Mine) | Data Science Researcher

Aug 2025 – Present

- Increased Caterpillar's paint material usage tracking efficiency by integrating data sources into a centralized database
- Reduced time to evaluate process improvements by developing a Power BI dashboard that visualized consumer trends
- Minimized unplanned production downtime by 25% by creating a Django-based reporting tool for system anomalies

### PlaytoonIt Inc. | Software Development Intern

Jun – Aug 2025

- Scaled to 100+ concurrent players by optimizing ECS and netcode, cutting server costs by 30% and packet loss by 25%
- Reduced bandwidth by 35% by compressing serialized data and implementing delta updates
- Cut latency spikes by 50% through event-driven architecture and object pooling, reducing player churn by 15%

### Retail Hedging LLC | Software Engineering Intern

Mar – May 2025

- Reduced login latency by 50% by optimizing Auth0 flows and lazy-loading components in a React platform
- Secured payment processing by implementing an Auth0-Stripe integration with RS256-signed JWTs
- Boosted API throughput by replacing polling with a one-time token fetch pipeline using JWT syncing

### Purdue CILMAR | Data Science Researcher

Jan – Mar 2025

- Modeled sentiment trends across 18,000+ student surveys to track COVID's impact on education and values
- Discovered a 30% increase in intercultural learning metrics post-pandemic through longitudinal statistical analysis ( $p < 0.01$ )
- Engineered automated data pipelines for 18k+ survey responses, reducing preprocessing time by 60%

### Full Send AI Consulting | Founding Engineer

Aug 2024 – Present

- Delivered deployable AI agents to clients by packaging LLM workflows in modular frontends with an automated setup
- Designed Full Send's production chatbot using APIs, React, and Node.js, improving lead response rate by 80%
- Led end-to-end UI/UX revamp of company website, brand, and contact pipeline, increasing engagement time by 300%

## PROJECTS

### Freelance DAO – Ethereum Platform

Fall 2024

- Achieved 99% uptime by designing a fault-tolerant Ethereum freelance platform with decentralized dispute resolution
- Reduced gas costs by 50% via Hardhat-tested smart contracts and optimization checks for dispute resolution workflows

### Vibe – Social Messaging App

Winter 2024

- Scaled to 80+ concurrent users by architecting a Java socket-based chat system with thread pooling and message queuing
- Improved session reliability by integrating auth, media caching, and load-balanced worker threads

### Portfolio – Personal Website

Spring 2025

- Developed a professional portfolio website using Next.js, JavaScript, React, and Tailwind CSS with modular routing
- Achieved 100% SEO and 90% accessibility Lighthouse scores via semantic markup and optimized asset loading

### Local Storage Stats – Analytics Dashboard

Summer 2025

- Transformed raw student data into real-time insights by engineering a high-performance analytics dashboard
- Enabled performance insights, difficulty analysis, and data exports with dynamic visualizations and personalized benchmarks

## SKILLS

- **Languages:** Python · JavaScript/TypeScript · Java · C++ · C · C# · SQL · Go · R · Solidity
- **Frameworks:** React · Node.js · Next.js · Django · Spring Boot · FastAPI · Express.js · GraphQL · Redux
- **Tools:** Git · Docker · AWS/GCP/Azure · Jenkins · Firebase · Linux · MySQL · Pandas · Apache Spark · Jupyter
- **Certifications:** Ethical Hacking · Network Defense · Operating Systems · Computer Hardware (CISCO)