ANEESH KRISHNA

(551) 286-0340 | Aneesh Krishna |[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Purdue University Honors College   Class of 2027 - West Lafayette, IN
B.S. Computer Science (Focus: Machine Intelligence) + Applied Statistics   Minors: Mathematics + Finance
• **Courses:** C/Java/Python Programming · Blockchain · DSA · OOP · Computer Architecture · Linear Algebra · Discrete Math
• **Organizations**: Boiler Blockchain · The Data Mine · Purdue DOSA · Purdue Cricket · Tamil Sangam · Honors College
Academies at Englewood (High School) - Computer Science   GPA: 4.3 (High Honor Roll) - Englewood, NJ

EXPERIENCE

Retail Hedging LLC - Remote, Software Engineer Intern   Mar 2025 - May 2025
• Reduced login latency by 30% by optimizing Auth0 flows and lazy-loading components in a React platform.
• Secured payment processing by implementing an Auth0-Stripe integration with custom actions and RS256-signed JWTs.
• Eliminated unauthorized feature access by implementing JWT-based role control, improving security by 100%.
• Boosted API throughput by replacing polling with a one-time token fetch pipeline using JWT syncing.
PlaytoonIt Inc. - Remote, Full Stack Developer Intern   Jun 2025 - Aug 2025
• Reduced bandwidth by 20% by compressing serialized data and implementing delta updates for 50+ concurrent players.
• Cut latency spikes by 50% through event-driven architecture and object pooling in Unity, reducing player churn by 15%.
• Scaled to 70+ concurrent players by optimizing ECS and netcode, cutting server costs by 20% and packet loss by 15%.
The Data Mine - West Lafayette, IN, Undergraduate Data Science Researcher   Jan 2025 - Present
• Uncover predictive trends by analyzing Indiana state datasets using Python/R, guiding policy decisions for stakeholders.
• Deliver actionable insights via statistical modeling and anomaly detection, reducing false positives in analysis.
• Automated data cleaning pipelines using Pandas, reducing preprocessing time by 65% for Indiana state datasets.
Purdue University - West Lafayette, IN, Data Science & Statistics Researcher   Mar 2025 - Present
• Modeled sentiment trends across 18,000+ student surveys (U.S./Japan) to track COVID's impact on education and values.
• Discovered a 30% increase in intercultural learning metrics post-COVID through longitudinal statistical analysis ($p<0.01$).
• Engineered automated data pipelines (Python/Pandas) for 18k+ survey responses, reducing preprocessing time by 60%.

PROJECTS

[Freelance DAO](#) **- Ethereum Platform** | Lead Developer   Nov 2024 - Jan 2025
• Achieved 99% uptime by designing a fault-tolerant Ethereum freelance platform with decentralized dispute resolution.
• Reduced gas costs by 40% via Hardhat-tested smart contracts and optimization checks for dispute resolution workflows.
[Vibe](#) **- Social Messaging App** | Lead Developer   Oct 2024 - Dec 2024
• Scaled to 100+ concurrent users by architecting a Java socket-based chat system with thread pooling and prioritized
message queues. Improved session reliability by integrating auth, media caching, and load-balanced worker threads.
[Portfolio](#) **- Personal Website** | Product Designer & Full-Stack Developer   Feb 2025 - Jun 2025
• Designed and developed a professional portfolio website using Next.js, JavaScript, React, and Tailwind CSS with modular
routing. Delivered a fully responsive UI to showcase projects, games, technical skills, and personal brand with impact.
• Achieved 100% SEO and 90% accessibility Lighthouse scores via semantic markup and optimized asset loading.
[Local Storage Stats](#) **- Analytics Dashboard** |Product Designer & Full-Stack Developer   Jun 2025 - Jul 2025
• Transformed raw student data into real-time insights by engineering a high-performance analytics dashboard with
dynamic visualizations and personalized benchmarks. Enabled performance insights, difficulty analysis, and data exports.

TECHNICAL SKILLS

Languages: TypeScript/JavaScript · Python · Java · C/C++ · Go · C# · SQL · Bash · Solidity · PHP · R · Assembly · HTML5 · CSS
Frameworks: React · Next.js · Node.js · Express.js · Redux · FastAPI · AngularJS · GraphQL · jQuery · Chart.js · Three.js
Tools: Docker · GitHub · Jenkins · Firebase · Vercel · UNIX/Linux · MySQL · (AWS/GCP/Azure) · Jupyter · Matplotlib · PyTorch
Skills: System Design · REST APIs · CI/CD · Scalability · Multithreading · DevOps · Algorithm Design · Shell Scripting · Load
Testing · WebRTC · JWT Hardening · Database Modeling · Machine Learning · Data Analysis · Vector Databases · LLMs · Agile
Topics: Distributed Systems · Concurrency · Asynchronous Programming · Performance Optimization · Serverless Patterns ·
Event Sourcing · CRDTs · Cloud Computing · Zero-trust Architecture · Security (OAuth2.0) · ML Frameworks · NLP · IoT
Certifications: Endpoint Security · Ethical Hacking · Network Defense · Operating Systems · Computer Hardware **(CISCO)**