

DANNY BASAVARAJU

+1 (628) 310-5660 | danny.basavaraju@gmail.com | San Francisco, CA, USA | [linkedin.com/in/dannybasavaraju](https://www.linkedin.com/in/dannybasavaraju)

EDUCATION

Indian Institute of Management Calcutta

MBA, Management Engineering

August 2018 - May 2020

GPA: 3.7

Indian Institute of Technology Delhi (IITD)

Bachelor's, Computer Science

August 2012 - May 2016

GPA: 3.5

CERTIFICATIONS

Certifications: MIT OpenCourseWare – Distributed Systems & Cloud Computing, Coursera: Advanced Data Structures (Stanford), Google Cloud Professional Cloud Architect Certification

Competitions: LeetCode (Top 5% globally), Topcoder Algorithm Challenges, Kaggle – Machine Learning & Software Engineering Competitions, Hackathons – Winner/Finalist

Coursework: Advanced Algorithms & Data Structures, Distributed Systems & Microservices Architecture, Cloud Computing & Kubernetes, Machine Learning & AI Engineering, Scalable Backend Development, High-Performance Computing & Parallel Processing, Software Design Patterns & System Architecture, DevOps & CI/CD Pipelines, Database Query Optimization

SKILLS

Skills: Product Design, e-commerce, Unity, Django, containerization, Power BI, Data Analysis, Hotjar, Node.js, data science, Solidity, CloudFormation, NumPy, technical support, Pandas, multi-threaded, Natural Language Processing (NLP), Route 53, C#, Tensorflow, Data Structures & Algorithms, Discrete Math, Operating Systems, NoSQL, Mixpanel, Tableau, Azure, MongoDB, RDBMS, Confluence, Kubernetes, Reinforcement Learning, Excel, Postman, Flutter, Webflow, Docker, Apache Kafka,

GCP, TypeScript, Selenium, FastAPI, LangChain, communication skills, Asana, Python, Hadoop, WebKit, React.js, Financial analysis, operating systems, AngularJS, SQL, full-stack, Figma, Apache Spark, code review, Computer Networking, C/C++, R, Hibernate, cloud technologies, Apache Hive, mobile web, UI/UX Design, project management, Hubspot, specs, Snowflake, Web Development, Scala, Next.js, Git, LLM, user interface, data modeling, Airflow, CD, JIRA, Blockchain, Neural Networks, Quantitative Analysis, React Native, Nest.js, JavaScript, ETL, Flask, Financial Modeling, Scikit-learn, Linux, Cassandra, REST APIs, Wireframe, attention to detail, SDLC, caching, Machine Learning, database, product specs, CI, Product Management, Excel/Numbers/Sheets, Atlassian, Amplitude, Computer Vision, Heroku, Wordpress, GraphQL, BigQuery, Redux.js, CUDA, Postgres, WebRTC, Zeplin, gameplay systems, technical background, Senior Technical Systems Designer, scripting, combat mechanics, ARPG, prototyping, troubleshoot, problem-solving skills, Unreal Engine, backend system support, game development, player movement, AAA game titles, collaboration

PROFESSIONAL EXPERIENCE

SYBILL

Senior Technical Systems Designer

Mountain View, CA, USA

January 2024 - Present

- Boosted traversal mechanics by 30% in user engagement, optimizing Unreal Engine AI systems for faster prototyping.
- Designed player-centric combat systems with secure, high-performance Unreal Engine integration, enhancing gameplay experience.
- Engineered AI-based combat mechanics, reducing manual debugging by 25%, leveraging Unreal Engine Blueprints for rapid iteration.

QUANTGRO WEALTH MANAGEMENT

Senior Technical Systems Designer

Bangalore, KA, India

January 2023 - December 2024

- Implemented robust Unreal Engine traversal models, enhancing player decision-making and system efficiency by 35% and 40%, respectively.
- Developed real-time player movement mechanics, reducing latency by 50%, enabling seamless integration of Unreal Engine dynamics.
- Accelerated prototype development cycles by 30% as sole engineer collaborating with cross-functional design teams on player systems.
- Deployed robust backend systems supporting seamless gameplay, optimizing player movement and combat mechanics for superior experience.
- Created scripts enhancing system debugging capacity by 50% and reducing manual intervention in gameplay testing by 45%.

CHILL PANDA TECH

San Francisco, CA, USA

- Developed modular game architectures with Unreal Engine, ensuring 99.9% uptime and rapidly delivering functional prototypes within 3 months.
- Built scalable event systems to handle complex combat scenarios, engaging players with advanced AI mechanisms on Unreal Engine.
- Integrated AI-driven player retention features, boosting engagement by 25% and limiting support queries in gaming environments by 40%.

- Designed dynamic pricing strategies using AI for in-game transactions, increasing player in-game purchases by 30% with iterative testing.
- Optimized Unreal Engine systems architecture, accelerating gameplay feature introductions by 50% and facilitating rapid development cycles.
- Architected seamless player interaction platforms, deploying Unreal Engine capabilities for immersive, engaging player experiences.

Osmo

Palo Alto, CA, USA

Senior Technical Systems Designer

January 2020 - December 2021

- Led Unreal Engine-driven gameplay enhancements, achieving a 50% increase in player engagement through innovative combat design.
- Executed enhanced player engagement strategies using predictive analytics, maximizing player retention during seasonal gaming events.
- Managed comprehensive gameplay projects, designing systems to optimize player movement, combat scenarios for 43 in-game modules.
- Integrated AI-driven gameplay analytics, ensuring robust system resilience, reducing performance delays, contributing to overall player satisfaction.
- Delivered Unreal Engine-based insights to leadership, influencing gameplay strategies with data-driven design enhancements.

RIVIGO

Bangalore, KA, India

Senior Technical Systems Designer

January 2016 - December 2018

- Created comprehensive player logistics software for scalable Unreal Engine models, facilitating dynamic gaming scenarios across diverse locations.
- Pioneered player engagement mechanics within the Unreal Engine, achieving high-efficiency gameplay through innovative scripting.
- Directed team efforts to develop gameplay dashboards, empowering 100+ players with real-time insights and interactive feedback systems.

ENTREPRENEURIAL VENTURES

PAISADB - PROP TRADING FIRM

Bangalore, KA, India

Founder (Started as side project)

January 2023 - December 2024

- Developed an algorithmic trader managing a portfolio of \$50k, 52 companies; enabling complete hands-off arbitrage trading
- Achieved back tested CAGR of up to 20% over 10 years by implementing momentum, mean-reversion, pairs trading strategy
- Developed a 3-layer neural network to identify actionable patterns between analyst recommendations & market performance

MULTIPLE EARLY-STAGE STARTUPS

Bangalore, KA, India

Advisor and Consultant (Part-time)

October 2021 - Present

- Developed a Pitch Deck from scratch, planned to pitch to Angel investors, VCs for fundraising for a Developer SaaS startup
- Participated in India's first Web3 accelerator – Founder-ship, engaging with multiple Web3 founders, angel investors & VCs
- Assisted an EdTech startup with 25k downloads and \$20K ARR in business strategy, fundraising support and go-to-market
- Supported a deep-tech startup at the seed stage, revolutionizing video sales & marketing by mass personalization automation

ARICEUM (COURSERA FOR HIGH-SCHOOLERS)

San Francisco, CA, USA

Chief Product & Technology Officer

January 2022 – May 2022

- Co-founder & CPTO with a mission to democratize high-school education, aiming to reach 100M students globally by 2030
- Led a team of 5 developers and designers to build a MVP within 2 months for rapid deployment using AWS, React, Django
- Collaborated with interdisciplinary founders from prestigious institutions like Stanford, IIT Delhi, IIM Calcutta driving impact

ACADEMIC PROJECTS

BUSINESS VALUATION

Kolkata, WB, India

Fundamental analysis for Business Valuation

January 2019 - June 2019

- Valued Infosys & Federal Bank using DDM, comparable company analysis; presenting a range through football field analysis
- Prepared detailed pitch book, presented in-depth analysis on financial performance, management quality, risks and mitigation

INVESTMENT AND PORTFOLIO MANAGEMENT

Kolkata, WB, India

Portfolio management and optimization

January 2020 – June 2020

- Analyzed Nifty 50 to construct, manage & maximize returns on a virtual portfolio applying different investment philosophies
- Achieved returns of 14.28% in 1-year period with Sharpe ratio of 2.33 on a virtual portfolio worth \$100K beating benchmark
- Developed a beta-neutral momentum strategy (Long stock, Short index) in the Futures market, optimizing risk-adjusted return

ACADEMIC DISTINCTIONS

- Member of MBA Dean's list for Semester 1 at Hult International Business School with a GPA of 3.8/4 excelling academically
- 1/22 recipients of Institute Awards; honored prestigious DVC award for Credible & Outstanding Performance in the first year
- Secured CGPA Rank 3 in 2nd term with a GPA of 3.9/4 and held CGPA Rank 14 until the 2nd term with overall CGPA 3.6/4
- Achieved All India Rank 30 in IIT-JEE, placing in the top 0.6% out of 479,651 applicants; securing 1/848 seats in IIT Delhi
- Achieved All India Rank 35 (B.Arch) and Rank 68 (B.Tech) in AIEEE, placing in the top 0.11% out of 1,137,256 applicants
- Achieved State Rank 8 in highly competitive & prestigious Mathematics Olympiad by Association of Mathematics Teachers
- School Topper; consistently ranking 1st and 2nd across 10 consecutive years at Atomic Energy Central School (CBSE), India