

DANNY BASAVARAJU

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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

Python, Wireframe, CUDA, CI, Computer Vision, CD, Hibernate, Asana, MATLAB, Route 53, Management, Next.js, Pytorch, Postman, LangChain, Flutter, multi-threaded, Data Structures & Algorithms, Confluence, Quantitative Analysis, Figma, mobile web, Apache Spark, code review, product specs, cloud technologies, SDLC, GCP, Node.js, Postgres, Reinforcement Learning, Git, GraphQL, React.js, specs, Financial analysis, data engineer, Selenium, caching, data modeling, Mixpanel, Heroku, Webflow, data science, Apache Kafka, Hotjar, product management, Discrete Math, Financial Modeling, Vim, Data Analysis, WebRTC, Kubernetes, Business Analytics, Atlassian, JavaScript, Azure, Hadoop, FastAPI, Operating Systems, Cryptography, NumPy, REST APIs, SQL, Excel/Numbers/Sheets, Tensorflow, BigQuery, Solidity, communication skills, technical support, Excel, e-commerce, NoSQL, R, project management, deep learning, Scikit-learn, Machine Learning, C/C++, PowerPoint/Keynote/Slides, JIRA, Web Development, Product Design, Cassandra, database, user interface, LLM, Redis, containerization, full-stack, Pandas, MongoDB, Scala, React Native, Wordpress, Unity, Computer Networking, RDBMS, Linux, frontend, Power BI, Django, operating systems, Docker, TypeScript, UI/UX Design, Natural Language Processing (NLP), attention to detail, Nest.js, Redux.js, Airflow, Product Management, Zeplin, Flask, Apache Hive, Hubspot, ES6, Amplitude, Neural Networks, Blockchain, AngularJS, Senior Software Engineer, MySQL, Mobile development, UI/UX, Web services, Cloud computing, Problem solving, 3D modeling

PROFESSIONAL EXPERIENCE

SYBILL

Senior Software Engineer

Mountain View, CA, USA

January 2024 - January 2025

- Utilized advanced AI systems in cloud services to enhance user engagement, achieving a 30% increase and boosting efficiency.
- Implemented secure backend systems using Node.js & Python to support interactive VR/AI visualizations for medical education.
- Developed AI features on Unity for educational products, reducing manual tasks by 25% and advancing automation by 40%.

QUANTGRO WEALTH MANAGEMENT

Senior Software Engineer

Bangalore, KA, India

January 2023 - January 2024

- Optimized AI/ML models for real-time medical data analysis in Unity, enhancing decision-making speed by 35% for educators.
- Engineered efficient data pipeline on AWS, reducing latency by 50% and improving AR/VR app responsiveness in medical fields.
- Led agile software dev for interactive educational apps, enhancing release speeds of VR features by 3% using Unity platform.
- Developed scalable backend on AWS for educational systems, optimizing data reliability and supporting worldwide deployments.
- Automated backend services for educational apps, boosting developer productivity by 50% and cutting manual tasks by 45%.

CHILL PANDA TECH

Senior Software Engineer

San Francisco, CA, USA

January 2022 - January 2023

- Built multi-tenant SaaS for educational platforms in 3 months, ensuring 99.9% uptime for virtual and interactive learning tools.
- Created real-time data processing for medical education, managing high-value transactions and onboarding global institutions.
- Integrated AI features into interactive views, boosting user retention in educational apps by 25% and reducing queries by 40%.

- Developed dynamic models for personalized learning, enhancing student performance by 30% through tailored content delivery.
- Designed microservices infrastructure for education tools on Unity, accelerating feature releases by 50%, enhancing adaptability.
- Developed full-stack architecture for medical/dental education, ensuring seamless integration of VR/AI on web/mobile platforms.

BYJUS

Senior Software Engineer

Palo Alto, CA, USA

January 2020 - January 2022

- Deployed AI-enhanced educational strategies for \$40M business, harnessing tech to grow engagement & achieve 50% revenue boost.
- Strategized AI-driven initiatives for educational services with predictive analytics, optimizing program impact and ROI growth.
- Oversaw comprehensive product lifecycle for 43 educational apps, delivering \$75M revenue through data-driven insights on Unity.
- Integrated AI analytics into educational logistics platforms, ensuring resilience and boosting global reach amid disruptions.
- Collaborated with leadership to present AI-driven educational tech strategies, shaping future developments for instructional tech.

RIVIGO

Senior Software Engineer

Bangalore, KA, India

January 2016 - January 2018

- Developed AI-driven logistics platform using Unity for medical education, facilitating innovative learning across 100+ institutions.
- Solely developed module facilitating 300,000+ educational content downloads, vastly improving content distribution efficiency.
- Led team to build adaptive dashboards for educational platforms, allowing real-time interaction and insight generation.

ENTREPRENEURIAL VENTURES

PAISADB - PROP TRADING FIRM

Founder (Started as side project)

Bangalore, KA, India

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

Advisor and Consultant (Part-time)

Bangalore, KA, India

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)

Chief Product & Technology Officer

San Francisco, CA, USA

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

Fundamental analysis for Business Valuation

Kolkata, WB, India

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

Portfolio management and optimization

Kolkata, WB, India

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