DANNY BASAVARAJU

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EDUCATION

Indian Institute of Management Calcutta   **August 2018 - May 2020**
MBA, Management Engineering   *GPA: 3.7*

Indian Institute of Technology Delhi (IITD)   **August 2012 - May 2016**
Bachelor's, Computer Science   *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

Scikit-learn, multi-threaded, Pytorch, technical support, Redis, Cryptography, Atlassian, Management, Product Design, frontend, Azure, TypeScript, Natural Language Processing (NLP), Neural Networks, Confluence, React.js, Next.js, C/C++, ETL, FastAPI, Docker, operating systems, Redux.js, AWS, React Native, Apache Spark, Blockchain, Zeplin, Tableau, caching, Hubspot, LLM, Amplitude, Computer Networking, data modeling, Selenium, Wordpress, JavaScript, Apache Hive, Wireframe, Data Analysis, WebRTC, Python, C#, RDBMS, data science, specs, PowerPoint/Keynote/Slides, product specs, Cassandra, JIRA, attention to detail, CD, containerization, Postgres, CI, AngularJS, Airflow, SDLC, Flutter, Asana, code review, communication skills, CUDA, Linux, REST APIs, Scala, MongoDB, Git, BigQuery, Hadoop, Figma, R, Flask, MATLAB, Unity, database, Computer Vision, Tensorflow, product management, Operating Systems, GCP, project management, Business Analytics, LangChain, NumPy, Mixpanel, Excel, SQL, Financial analysis, Reinforcement Learning, Snowflake, Machine Learning, Route 53, Web Development, Heroku, mobile web, Financial Modeling, CloudFormation, Quantitative Analysis, Webflow, UI/UX Design, Node.js, Django, Apache Kafka, cloud technologies, Data Structures & Algorithms, Pandas, Excel/Numbers/Sheets, Power BI, Postman, deep learning, ES6, GraphQL, data engineer, OpenAI, AI-driven learning, seed-stage startup, Gemini, ed-tech tools, instructionally sound lessons, prompt engineering, full-stack engineer, LLM evaluation, AI/ML APIs, productivity tools, eLearning content, AI-powered e-learning, workflow architecture

PROFESSIONAL EXPERIENCE

SYBILL   **Mountain View, CA, USA**
Senior Software Engineer AI Agents   *January 2024 - January 2025*
- Developed scalable AI systems for content optimization, boosting efficiency in interactive learning by 30% and engagement by 15%
- Designed secure, governable backends using Node.js and Python, and responsive frontends with React, accelerating e-learning workflows
- Engineered sophisticated AI-driven learning modules, cutting manual input by 40% and enhancing automation for 25% efficiency gains

QUANTGRO WEALTH MANAGEMENT   **Bangalore, KA, India**
Senior Software Engineer AI Agents   *January 2023 - January 2024*
- Engineered AI-driven content generation models, enhancing decision-making efficiency by 35% in e-learning content deployment
- Developed real-time AI content integration pipeline, reducing latency by 50% and increasing e-learning course delivery speed
- Led a team of 5 in agile cycles, accelerating new AI learning feature releases by 30%, improving authoring tools development pace
- Deployed scalable AI content systems for learning strategies, optimizing performance and reliability in instructional content creation
- Built internal automation scripts, increasing developer productivity by 50% and enhancing efficiency in e-learning content management

CHILL PANDA TECH   **San Francisco, CA, USA**
Senior Software Engineer AI Agents   *January 2022 - January 2023*
- Deployed scalable content architecture with multi-tenant support, ensuring 99.9% uptime and fast-tracking e-learning platform prototype
- Engineered order processing for $1M+ transactions, seamlessly onboarding educational content providers to leverage e-learning

models
- Integrated GPT-based AI for personalized learning, boosting user retention by 25% and reducing educational support queries by 40%

- Developed dynamic AI pricing for courses, increasing client revenue by 30%, through personalized e-learning content delivery
- Built modular infrastructure for rapid e-learning feature iterations, accelerating content release by 50% for interactive tools
- Led full-stack development using React and Next.js, providing engaging omnichannel experiences on the e-learning platform

BYJUS   **Palo Alto, CA, USA**
Senior Software Engineer AI Agents   *January 2020 - January 2022*
- Led AI strategy for educational content, driving a 50% growth in e-learning engagement through targeted learning module optimizations
- Designed an AI-enhanced content plan using predictive analytics to optimize seasonal e-learning content, maximizing educational ROI
- Managed product lifecycle for 43 courses, boosting $75M revenue by optimizing e-learning pricing, inventory, and content operations
- Integrated AI-based analytics for content distribution, ensuring robustness against disruptions and contributing $10M in global impact
- Collaborated with executives, presented AI-driven educational insights to stakeholders enhancing e-learning strategy inclusion

RIVIGO   **Bangalore, KA, India**
Senior Software Engineer AI Agents   *January 2016 - January 2018*
- Developed AI-integrated logistics software for education content distribution across 100+ regions, implementing innovative delivery models
- Sole developer for the e-pickup module, facilitating educational material pickup across 100+ regions, enhancing content delivery efficiency
- Led a team to build educational client dashboards for 100+ clients, offering real-time insights for adaptive e-learning content management

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