ATHREYA ANAND

US Citizen

New York, New York | +1 (661) 4142869 | athreyanand@gmail.com
Profiles: athreyaanand.com | LinkedIn: *in/athreyaanand* | GitHub: *athreyaanand* | Medium: *athreyaanand*

EXPERIENCE

GOOGLE – *New York, NY*   *October 2022 – Present*
Software Engineer, Tech Lead

Google Ventures *(Google's VC Firm):*
- Independently developed ML models to predict investment profitability and guide Google's investment strategies.
- Created models on combined dataset of 1.7 million angel investments totaling $613 billion.
- Achieved ~80% accuracy in predicting successful investments, enabling data-driven decision-making and maximizing ROI.

ReviewHub *(Internal Review Tool):*
- Spearheaded the initiative to integrate AI/ML into the ReviewHub platform, streamlining manual review processes for core Google products (Search, Smart Home, Civics, etc.).
- Defined project scope, managed stakeholders, and drove product development, effectively bridging the gap between engineering lead and product management.
- Projected $8 million in annual cost savings by automating repetitive reviews and optimizing resource allocation.

Mission Control *(Internal Content Management System):*
- Led the migration of Mission Control from legacy servers to Google Kubernetes Engine (GKE), dramatically improving system performance, uptime, and data analysis capabilities.
- Revamped the codebase and database to ensure scalability and support the volume of content generated at Google, reducing page load times from seconds to milliseconds and software deployment times from days to ~2 hours.

CEDAR – *New York, NY*   *May 2021 – September 2022*
Software Engineer
- Engineered and optimized critical data pipelines for healthcare providers, including for Providence Healthcare (9th largest health system in the US, Cedar's largest client to date).
- Streamlined data ingestion through analysis, automation, and centralization, accelerating integrations by months.
- Created data analytics tools and notebooks to significantly enhance data validation and insights across the organization, improving data quality and decision-making.

TOWARDS DATA SCIENCE – *Remote*   *May 2018 – Aug 2020*
Author & Consultant
- Authored articles on machine learning and data science techniques, reaching over 120,000 readers and sharing knowledge with the broader ML/AI community.
- Provided consulting services and developed internal documentation for various companies, improving knowledge sharing and technical understanding within organizations.

ESRI – *Redlands, CA*   *May 2020 – Aug 2020*
Data Science & Analytics, Software Engineering Intern
- Implemented data hex binning into Esri's Insights platform, enhancing geospatial data visualization capabilities.
- Developed efficient queries and techniques to perform hex binning on hundreds of thousands of data points in seconds, enabling real-time geospatial analysis.

AMAZON (AWS) – *Cupertino, CA*   *May 2019 – Aug 2019*
Machine Learning Software Engineer Intern
- Contributed to AWS Inferentia, a cloud-based machine learning inference acceleration chip within EC2.
- Built out the runtime instance, enabling efficient deployment and execution of machine learning models.
- Designed and implemented a comprehensive metrics protocol, piping data through multiple technology layers to monitor and analyze system performance.
- Created informative fleet dashboards to visualize key performance metrics, providing valuable insights into the chip's utilization and efficiency.

Other Experience: *SWE @* **BOINGO** | Los Angeles, 2018; *SWE @* **TESLA** | San Jose, 2017

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY – *Atlanta, GA*
B.S. Computer Science; Honors Program; Cum. GPA: 3.75; CS GPA 4.0   *May 2020*
M.S. Computer Science/Artificial Intelligence & Machine Learning; GPA: 4.0   *May 2021*