

# SANJAN DAS

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## WORK EXPERIENCE

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### Founder, Dyno Apps (Seattle, WA)

Nov 2025 - Present

- Building a no-code mobile app development platform powered by AI coding agents, architecting systems end-to-end with BAML, Supabase and Modal. Gained extensive experience with prompt engineering and agent evals.
- Running beta testing with 5 customers, handling product design and customer research to rapidly validate features and user flows. Implemented AI-powered automations to accelerate product development velocity.

### SDE II, Amazon Bedrock (Seattle, WA)

July 2023 - Sep 2025

- Launched Amazon Bedrock Batch Inference and built production-ready inference solutions that scaled throughput from less than 1B tokens/day to 100B tokens/day, meeting Fortune 500 client requirements.
- Owned end-to-end design and implementation of improving batch job scheduling, optimizing for diverse workload patterns and models. Reduced idle time of worker containers by 25% through smarter thread management.
- Collaborated with support teams to build mechanisms to reduce ticket resolution time by 50%. Led engineering team adoption of AI tools and set up workflows with Amazon Kiro to improve team productivity.
- Led project to launch Claude Sonnet and Haiku 3.5 on Provisioned Throughput, coordinating across product, billing and capacity teams.
- Mentored summer intern in developing workflow to automate integration test coverage for Provisioned Throughput.

### SDE Intern, AWS Control Tower (Seattle, WA)

May 2022 - Aug 2022

- Built an operational metrics reporting system for core open-source product, designing architecture with CloudFormation, Lambda, Athena, and SQS. Delivered insights to PMs through SQL-based analysis, enabling data-driven roadmap decisions.

### Data Engineer Intern, ViralMoment (Pittsburgh, PA)

Oct 2022 - Feb 2023

- Built trend detection algorithm from analysis over TikTok videos and presented findings to CEO and key customers.
- Improved engineering velocity by implementing GitLab CI/CD pipelines and creating development documentation for new employee onboarding.

## RESEARCH & PROJECTS

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### Authentication Recommendation System, Carnegie Mellon University

- Developed ML-based authentication recommendation system for Indonesian bank BTPN, improving fraud detection by 95% over existing rule-based system. Ran weekly calls with BTPN stakeholders to understand problems better and help integrate the solution into their systems.

### Wake Word Detection using Transformers, Carnegie Mellon University

- Optimized Keyword Transformer for edge device deployment, achieving 10% inference time reduction at 1% accuracy cost through novel deep learning activation/normalization modifications.

### Improving Factuality in Summarization, Carnegie Mellon University

- Optimize factuality metrics for text summarization using contrastive learning ([arxiv.org/pdf/2307.04507.pdf](https://arxiv.org/pdf/2307.04507.pdf))

## EDUCATION

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### Carnegie Mellon University, Pittsburgh, PA

M.S. in Artificial Intelligence and Innovation, QPA 4.03/4.30, May 2023

### University of Cambridge, UK

B.A. Bioengineering, M.Eng. Computer and Information Engineering, June 2021

## SKILLS

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AI: PyTorch, Langchain, Langgraph, BAML, Modal, Amazon Bedrock, Transformers

Cloud & Systems: AWS (Lambda, Dynamo, Step Functions, ECS), Supabase, Vercel

Development: Python, Java, Typescript, Next JS, Supabase, Docker, SQL, Claude Code, Cursor, Kiro