Abhishek Kumar

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Education

Stanford School of Engineering 2023-2024
Artificial Intelligence Graduate Certificate

- **Relevant Coursework:** CS229 (Machine Learning), CS231N (Deep Learning for Computer Vision), CS224N (Natural Language Processing with Deep Learning)

Indian Institute of Technology, Delhi 2009-2013
Computer Science and Engineering

- **Relevant Coursework:** Data Structures, Design of Algorithms, Computer Networks, Database Systems, Linear Algebra, Probability and Statistics

Experience

PushOwl (Acquired by Brevo) August 2019 - Feb 2023
Chief Technology Officer *Bengaluru, India*

- Helped scale the platform by migrating the workload from Heroku to Kubernetes
- Helped scale the product by integrating distributed stream processing systems like Kafka and KSQL Stream Aggregation into Tech Stack
- Helped scale the Engineering division by setting up the hiring and onboarding process for Engineers
- Helped scale the business by ensuring high availability and reliability during peak discount seasons - like BFCM (Black Friday and Cyber Monday)

Fibe (Previously EarlySalary) December 2018 - Jun 2019
VP of Engineering *Pune, India*

- Helped scale the platform and product by migrating database to multi node cluster

Credifiable June 2016 - December 2018
Chief Technology Officer *Bengaluru, India*

- Helped build the consumer lending product with a customer side portal and a backoffice portal
- Helped integrate with Credit Bureaus - CIBIL and Experian for fetching automated credit report

Greymeter April 2015 - May 2016
CoFounder, Full Stack Developer *Noida, India*

- Helped build a social platform to connect undergraduate students with internship opportunities
- Helped partner with colleges around NCR (National Capital Region) to onboard students on the platform

Projects

Generating Synthetic CXRs with Generative Modeling | *PyTorch, CNN, GAN, VAE* April - June, 2024

- As part of CS231 course project from Stanford, experimented with Variational Auto Encoders and Generative Adversarial Networks to generate synthetic chest xray images

Projected Attention Layers in BERT | *PyTorch, Large Language Models, Transformers* April - June, 2024

- As part of CS224 course project from Stanford, modified the BERT architecture to include Projected Attention Layers (Stickland and Murray, 2019)
- Improved the accuracy in 3 NLU (Natural Language Understanding) tasks - Sentiment Analysis, Paraphrase Detection and Semantic Textual Similarity compared to BERT baseline by finetuning the PAL architecture

Cover Letter

Hi There,

Are you looking to harness the valuable data your business accumulates to drive key metrics, but unsure how to effectively utilize it? I specialize in offering both hands-on and strategic consulting services to transform your data into tangible business value.

If you have any questions or wish to discuss how I can assist in realizing your vision, please do not hesitate to contact me at abhishek@a6k.me. For a more direct conversation, feel free to schedule a 30-minute consultation through my Calendly: [Schedule a Meeting].

I look forward to working with you.

Thanks,
Abhishek.