

Moin Adil

Education

2008–2012	B.Tech, Computer Science & Engineering , Amity University	CGPA: 8/10
2006-2007	Indian School Certificate , City Montessori School, Lucknow	Score: 91%

Skills

Machine Learning: Extensive experience in building and deploying machine learning models, including supervised and unsupervised learning algorithms, deep learning, natural language processing, computer vision, and reinforcement learning.

Programming Languages: Proficient in Golang, Python, Kotlin with a strong understanding of libraries and frameworks such as TensorFlow, PyTorch, Scikit-learn, Keras, and NumPy.

Data Processing and Analysis: Expertise in data preprocessing, feature engineering, and exploratory data analysis using tools like Pandas and SQL.

Model Evaluation and Optimization: Skilled in model evaluation techniques, hyperparameter tuning, and ensemble learning to improve model performance.

Deployment and Scalability: Familiar with cloud platforms (AWS, GCP, Azure) and containerization technologies (Docker, Kubernetes) for deploying ML models at scale.

Software Engineering: Solid understanding of software engineering principles, version control systems (Git), and agile development methodologies.

Communication and Collaboration: Strong interpersonal and communication skills, with the ability to work effectively in cross-functional teams and present complex concepts to both technical and non-technical stakeholders.

Extensive experience in Machine Learning, Feature Engineering, Data Engineering, ML Systems, Python, AWS, FFMPEG, VMAF, Media Codec, Linux, AB Tests, Android, iOS applications and corresponding user interfaces. Knowledge of the google cloud ecosystem, kubernetes, docker and experience working with several architectures, distributed systems, data platform, Video, Camera2, Data Structures, Algorithms, Agile Environment.

Languages: Golang, Python, Kotlin, Java, JavaScript.

Other Technologies: Flink, Scylla, MySQL, h.264, h.265, Git, Android internals, Sentry, Jenkins, Vim, NodeJS, etc.

Experience

2021–Present: Machine Learning Engineer *ShareChat* Bangalore, KA.

- Leading a team specialising in MLOps, Feature Engineering and Experimentation.
- Led the team to build a Unified Feature Store, via which Candidate Generators, Rankers and multiple machine learning models can use our features, to predict accurate output.
- Headed the team to build a system, to use Airflow jobs, to move data from BQ to redis, which can then be internally be used within our golang services.
- Contributed to the implementation and optimization of LLMs, specifically GPT-based models, enhancing natural language processing capabilities for content generation and user interactions.
- Empowered ShareChat's recommendation engine through machine learning, fine-tuning content suggestions for millions using collaborative filtering and deep learning. Elevated performance via A/B testing and distributed computing, significantly enhancing user engagement.
- Led the cost optimisation efforts by building a system to store multiple counters and features in scylla, instead of BT/Redis, which saved approximately 60 percent cost.
- Advocated the usage of Grafana for monitoring our services, Jenkins and Spinnaker, for build and deployment pipelines. Led the efforts for Feature Correctness, Data Quality, Observability, Monitoring, etc.
- Guided the team on pubsub, pubsub topics, pubsub subscriptions, kafka, flink jobs, scylla, git, golang, python, distributed systems, data platform, query languages, database technologies, CI/CD, testing and

validation of data.

- Used TF records to process data and built ML models around Tensorflow stack.
- Introduced a streamlining process to mitigate dependencies amongst Stakeholders.
- Managed hiring and resource utilization across parallel projects.

2020–2021: Module Lead - ML Nous Infosystems Bangalore, KA.

- Increased the App downloads to 10M, within 6 months of launch, by revamping the existing feed algorithm and introducing optimization in several areas.
- Built deep learning models for attribute extraction from text.
- Developed a Smart normalization tool to match the non-standard/junk text present in the catalog to the standard text.
- Developed BERT based models for classification and sequence labeling in Multi-lingual models. These models were further used in product search.
- Led an initiative to build an autotagger tool for reducing the amount of tagged data and build efficient models with limited data.
- Led the effort for multi-tenancy at the application level to reduce costs and devops overhead.
- Improved the story spill over by 70%, by assigning the stories based on technical competency.

2019–2019: Lead Software Engineer - ML Silverlabs India Private Limited Bangalore, KA.

- Led the revenue growth from 15M to 40M, within five months, by making strategic decisions.
- Led the team to build a system using Camera AI to identify objects and ARCore for augmented reality experience.
- Worked in creation of Universal metric measurement set and used multiple Bayesian sampling methods for scaling across different languages and regions
- Collaborated with the client and server team, to create Rizzle - A short video platform from scratch.

2016–2019: Senior Software Engineer Altisource Business Solutions Pvt. Ltd. Bangalore, KA.

- Increased the customer base by over 30%, by introducing e-auction feature in company's App.

2015–2016: Android Developer Guru-G Learning Labs Pvt. Ltd. Bangalore, KA.

- Led the major efforts in creation of an AI based adaptive edu-tech App for schools, resulting in favourable student outcomes and led to adoption of digital education in 1500+ schools.
- The same App got People's Choice Award and second prize at Google StartUp India event(link).

2014–2016: Co-founder and CEO TraxBuddy Bangalore, KA.

- Managed and led the efforts on Android, Rails, App-Web integration, marketing, market survey etc.

2012–2014: Analyst HCL Technologies Noida, India.

- Worked on REST APIs, Material Design, third party libraries, JSON, Git, Offline App support, etc.

2011–2011: Android Intern Loyalty Plant Inc. Saint Petersburg.