

Apoorv Chandrakar

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[LinkedIn](#) | [Website](#) | [GitHub](#)

Education

Stevens Institute of Technology, Hoboken, NJ Sept 2022 – May 2024
Master of Science in Computer Science, GPA 3.89

- **Courses:** Big Data, Knowledge Discovery, Data Mining, Databases, Blockchain, Web Programming, Agile Systems.
- **Academic Projects:**
 - University Admit Predictor: achieved domain leading, ~72% cross validation accuracy without essay score.
 - Project Roomie, a web app to find roommates using recommender system. (Best in class, score: 103/100)

Chhattisgarh Swami Vivekanand Technical University, Bhilai, CG Sept 2015 – May 2019
Bachelor of Engineering in Computer Science, GPA 8.33 (Honors)

- **Courses:** Artificial Intelligence & Expert Systems, Theory of Computation, Algorithms, UNIX & Shell Programming, Computer Graphics, Computer System Architecture, Operating Systems, Computer Networks & Cryptography.

Experience

AI Research Fellow Jun 2023 – Aug 2023
Stevens Institute for Artificial Intelligence | Human Centered AI Systems Lab

- Modelled student athlete performance in sports using data from Fitbit fitness tracker data and ground truths.
- Build user's health context driven, LLM based chat bot, helping users get more personal experience.

Graduate Lab Assistant (Data Engineering and Machine Learning Track) Feb 2023 – May 2023
Stevens Institute of Technology | Hanlon Financial Systems Labs

- Assist research on applications of Reinforcement Learning on Finance by writing highly optimized scripts.
- Built backend module for Bloomberg Terminal, S&P Capital IQ, Refinitiv Realtime News & WRDS data ingestion.
- Built end-to-end application to generate and publish daily digest of stock performance and media's sentiment.

Machine Learning Engineer Mar 2020 – Aug 2022
Tata Consultancy Services | IPS DecisionFabric (Life Sciences, A&I)

- Designed & delivered proof of concept for two leading European pharmaceutical clients.
- Developed word2vec embeddings for pharma similarity detection using MEDDRA data.
- Created Form Processing and Human Reading Mimicking python modules using NLP.
- Managed tech governance & intellectual property compliance for the product (IP Safe).
- Served as AWS and MongoDB system administrator for development environment.

Data Engineer Jun 2019 – Mar 2020
Tata Consultancy Services | Cloud Engineering (E-Commerce)

- Automated daily data extraction from AWS Redshift, reducing manual effort of the team by 12% using Python.
- Designed and implemented time-triggered file migration script using PySpark, improving data reliability.
- Migrated the e-commerce product onboarding data pipeline from on-premises to AWS environment.

Skills

Technical: Python, JavaScript, Spark, Hadoop, MongoDB, PostgreSQL / SQL, Machine Learning, Deep Learning, Natural Language Processing, Reinforcement Learning, Data Visualization, AWS, Shell Scripting, Git, Docker, Blockchain, System Administration (Linux and Windows).

Others: Data Storytelling, Tech Consultation & Governance, Agile, Domains: Healthcare, Finance, eCommerce.

Accomplishments

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- Stevens AI Research Fellowship 2023: Recognized for impactful research contributions at SIAI.
 - Stevens Provost Scholarship 2022: Merit-based scholarship recipient with exceptional academic background.
 - Global AI Awards 2020-21: Honored for Best Technical Implementation of AI in TCS ADD: IPS DecisionFabric.
 - TCS On Spot Award 2020: Acknowledged for developing in-house performance-improving utility.