

SANYAM JAIN

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PROFESSIONAL EXPERIENCE

Software Developer

Freelancing, Delhi

Aug 2019 - Present

- Designed and Developed Android applications for new Startups like the Coffee ordering app and payment gateway app.
- Used the latest technology by implementing APIs, J-SOON, and AWS servers.

ML/AI Intern

Elite Techno Groups, Delhi

Aug 2021 – Sep 2022

- Designed **Machine Learning** systems and self-running Artificial Intelligence (AI) software to **automate predictive models**.
- Designed and tested an **OpenCV** model used to identify the image of a sports personality.
- Analyzed and visualized the data using **Matplotlib, Pandas, and Numpy**.
- Worked closely with industry professionals to expand upon acquired training with practical knowledge.

Software Developer Intern

S.S.TECH, Delhi

April 2022 – Sep 2022

- Optimized and Maintained user-friendly Software, including an **optimized check-out page**.
- Developed user interfaces with **modern Java frameworks, Deep Learning & Optimized Learning**.
- Proactively liaised with the design team and project manager to ensure efficient and timely delivery of the project.

PROJECTS

- News Reader App:** Developed an android application using API and JSON that allow users to easily read and get updated on the news and even get relevant news on basis of users' searching.
- Instagram, Twitter, Snapchat clone App:** Developed these android applications that look almost the same as real apps and added features like posting, sharing, and following another person using AWS Servers and APIs.
- Face Recognition:** Devised a face recognition model and web page using **OpenCV, PostgreSQL**.

PUBLICATIONS

Time-varying frequency Estimation of narrow-band signals via Extended Kalman Filter and Unscented Kalman Filter

- The objective of this paper was to assess Extended Kalman Filter and the Unscented Kalman filter to predict narrow-band signals in noise.
- The study dives deep into the estimation of two signals, namely, a single frequency sinusoidal signal recorded from the real world and a generated noisy signal with a time-varying frequency.

Semantic parser using a sequence-to-sequence RNN model to generate logical forms.

- The goal of this paper is to introduce the reader to a new method of semantic parsing with the use of vanilla or ordinary recurrent neural networks.

- This paper briefly discusses how mathematical formulation for recurrent neural networks (RNNs) could be utilized for tackling sparse matrices.

Establishing communication between Neural Network Models

- This paper explores training sets of neural networks to probe how communication can happen between Human Brain and Deep Learning Systems.
- Built Models for classifying imposters using **Supervised Learning, CNNs**.

EDUCATION

Maharaja Agrasen Institute of Technology, Delhi
2019 - 2023
Bachelors, Electrical & Electronics Engineering (88.1%)

RELEVANT COURSES

- Data Analysis, DBMS, Big Data
- AI, Machine Learning, Deep Learning, Data Mining, Algorithms, Data Structures
- Numerical Methods, Statistics, Probability, Linear Algebra & Diff. Eqns

TECHNICAL SKILLS

- Python, C++, Java, Kotlin, SQL, J-SOON
- HTML, CSS, JavaScript
- Pandas, Hadoop, Numpy, Keras, Tensorflow, Matlab, NLTK, Sklearn, Git, LIBgdx
- Android Development, Firebase, AWS, Parse

CERTIFICATIONS

Android Development 2021
Udemy

Machine Learning & Deep Learning 2021
Udemy

Java Level 2 2021
Cambridge Certification Authority

ACHIEVEMENTS

- Participated in the E-cell(MAIMS) startup presentation held in 2019 At Maharaja Agrasen Institute of Technology and showcased our startup on Robot Waiters.
- Coordinator of Sports Fest, Online Webinars, and Departmental Fests.
- PR Head & Tech Head at Computer Society of India (CSI-MAIT)
- Volunteer in Social and Welfare Activities through Rotaract Club of Rohini, MAIMS.