

ARMAN SINGH GREWAL

+91 7009782005 ◊ [✉ armancode4u@gmail.com](mailto:armancode4u@gmail.com) ◊ [📄 ArmanGrewal007](#) ◊ [in ArmanGrewal007](#) ◊ Punjab, India

EXPERIENCE

Software Engineer Trainee (R&D)

Informatica - Bengaluru, KA

Tech Stack: **Python, LLMs, Java, React, Next**

Aug 2024 - present

- Contributing to UI development of a dashboard for analyzing K8s cluster metrics, utilizing **Next.js** and **Droplets** library.
- Currently working on developing **Claire[®]GPT** prototype, which is built upon **GPT-4o** APIs.

Software Engineer Intern

Xperi (TiVo) - Bengaluru, KA

Tech Stack: **Python, Bash, SQL, NoSQL**

Aug 2023 - Jun 2024

- Developed and improved processes to collect and enrich metadata for movies before sending it to the next team.
- Wrote a Python script to sync data b/w **ElasticSearch** and **MSSQL**, reducing sync time from **72 to 4hrs**.
- Used **Telegraf** to collect data from **Burrow** and send it to **Splunk** for monitoring using interactive dashboards

PROJECTS

File Manager Website

July 2023

Tech Stack: **HTML, EJS, Node.js, Express.js, AWS S3, PostgreSQL**

- Website to Upload, Rename, Move, Delete files/folders from local disk to a private **AWS S3** bucket.
- **Express.js** for routing. **PostgreSQL** for storing metadata of files and validation.

Satellite Image Analysis

April 2023

Tech Stack: **Python, Data analysis, Machine Learning**

- Analysis of satellite images over Philippines, and detecting trends in vegetation overtime using Normalized Difference Vegetation Index.
- Visualizations on dashboard using **matplotlib, seaborn, autoviz, explainerdashboard**.
- Fitted a machine learning model with over **97% accuracy**.

Suicide Data Analysis

April 2021

Tech Stack: **Python, Data analysis**

- Preprocessing, Visualization and Analysis on a Kaggle dataset.
- Used Libraries like **NumPy, Pandas, Matplotlib and Seaborn**.

SKILLS

Languages

Python, Shell scripting, Java, C++, C, SQL, Ruby

Web Technologies

Node, Express, Vue, HTML, CSS, JS, JQuery, Flask, Django, Spring Boot, React, Next

Databases

MySQL, MSSQL, PostgreSQL, Redis, ElasticSearch, Neo4j, MongoDB, Flyway

Machine Learning

Scikit-learn, Tensorflow, Pytorch, Keras, Splunk, Excel, MatLab, LLMs

DevOps

Docker, Jenkins, RunDeck, Kubernetes, Chef, Terraform

Miscellaneous

GitHub, RabbitMQ, Apache Kafka, Telegraf

ACHIEVEMENTS AND CERTIFICATIONS

- **Neo4j** Certified Professional
- Specialization in **Natural Language Processing**
- Level: **Contributor** on **Kaggle**
- **RabbitMQ** Course by CloudAMQP
- **Competitive Programming Course** by Coding Spoon
- **Redis** Certified Developer
- Java/Python/SQL certificates on **HackerRank**
- **DSA self-paced course** from **GFG**
- **RH-124** and **RH-134** from **RedHat**
- **DBMS-1** and **DBMS-2** from **Infosys**

EXTRA-CURRICULAR ACTIVITIES

- **Captain, Volleyball Team:** Led the team to a gold medal in the inter-house championship. **IIT Madras**
- **Class Representative:** Competed with over 30 sections and won Section of the Year 2022. **LPU**

EDUCATION

BTech Computer Science and Engineering (Hons.)

2020 - 2024

Lovely Professional University, Phagwara, Punjab

CGPA 8.84

BS Data Science and Programming

2020 - variable

IIT Madras, Chennai, Tamil Nadu

CGPA 7.5

Higher Secondary

2018 - 2019

Spring Dale School, Ludhiana, Punjab

CGPA 10