ADHIRAJ PANDEY

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in [LinkedIn](#) ⭘ [GitHub](#) </> [GeeksforGeeks](#) Ⓜ [Medium](#)

Education

Indian Institute of Technology Madras   **2021 − 2025**
Bachelor of Science in Data Science and Programming

Meerut Institute of Engineering and Technology   **2020 − 2024**
Bachelor of Technology in Computer Science (Data Science)

Experience

Koo India   **July 2023 − Dec 2023**
Backend Engineer Intern
- Developed PDF **invoicing service** for Finance team using **Python** and integrated with **API Gateway** through **Kafka**
- Optimized complex **SQL Queries** into **subqueries**, improving database interactions and reducing **latency** by **55%**.
- Implemented new **Ktor API** endpoints to get followers/followings for ML Recommendation from **Postgres** Database
- Migrated **APIs** to an internal microservice utilizing **Kotlin** Reactive Programming resulting in **15%** reduction in costs.

Deepgaze Technologies   **Feb 2023 − July 2023**
Backend Engineer Intern
- Developed **APIs** for **Tensorflow** LSTM Machine Learning Models and for integrating DB with React UI using **Flask**.
- Engineered **ETL** pipeline for Twitter data, leveraging ML **classification**. Stored text in **MongoDB**, media in AWS **S3**
- Created **Python** and **Shell** scripts for data updates/maintenance and **scheduled** them using **CronJob** on **EC2** server
- Contributed to data **pre-processing** for model training and **RLHF** process using libraries like **Pandas** and **CSV**.

Projects

Budget Boss | *Flask, Jinja, Bootstrap, MongoDB, Git, Docker, Apache Airflow*   [Link](#) | [Source Code](#)
- Developed responsive web app that assists users in **saving money** on online purchases by **notifying** them of price drop
- Implemented **Flask** backend APIs, styled UI with **HTML/CSS** and Jinja, and deployed via **Docker** on Home Server
- Utilizes **BeautifulSoup** to extract product details, **PyMongo** to store user/product info in NoSQL **MongoDB** Atlas.
- Orchestrated jobs like email **notification** and deals **extraction** from telegram groups (with **telethon**) using **Airflow**.
- Currently supports Amazon, Flipkart, Myntra, Boat resulting in **savings** of **9000+ INR** for friends, family and myself

Realtime Chat | *Node.js, Express.js, Socket.io, Tailwind*   [Link](#) | [Source Code](#)
- Developed Chatroom Application utilizing **web sockets** for instant **two way communication** between clients
- Engineered **backend systems** using **Node.js** and HTTP Server is handled with **Express.js**
- Built **Responsive** UI using **HTML, JS and Tailwind** CSS Framework, also added a available live **room counter**

Technical Skills

Languages: Python, Node, Kotlin, BASH, SQL
Databases: PostgreSQL, SQLite, MongoDB, Firebase
Libraries: Flask, Express, BeautifulSoup, Pandas, Selenium, PyAutoGUI, OpenCV, ReportLab, Boto3
Tools: MS Azure, NGINX, Docker, Jenkins, Apache Kafka, Apache Airlfow, Postman, Tableau
Others: HTML/CSS, Bootstrap, Tailwind, Git/GitHub, Kali Linux, Ubuntu, GitHub Actions

Certifications

- IIT Madras: Foundational Level (Data Science and Programming)
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Google Cloud Platform - Cloud Digital Leader
- Kerela Blockchain Academy - Foundational Level

Extracurricular

- Achieved **1st Rank** in Meerut City (Inter-School) Cyber Security Awareness Competition (2019)
- Secured **17th** position out of 55 teams in a national-level Ethical Hacking hackathon at IIT Delhi by Make Intern (2020)
- Solved **100+** questions on **GeeksforGeeks** and also received **5 Star** Rating in Python on **HackerRank**.
- Secured Merit based CSR scholarship from **L&T** Technology Services while pursuing **BS** Data Science at **IIT Madras**
- Completed **30 Days of Cloud** and **Google Cloud Campaign** organised by GDSC BIT and GDSC MIET respectively
- Organized multiple events and workshop as Core Team Member (Data Science) at Google Developer Student Club
- Volunteered as IT Club President and IT Club Secretary for two consecutive years at DMA School.