Daksh Pokar

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EDUCATION

University of Illinois, Urbana-Champaign   Champaign, IL
Master of Computer Science   Jan 2024 — May 2025

Pune Institute of Computer Technology — University of Pune   Pune, India
Bachelor of Engineering in Computer Engineering — GPA: 3.96 / 4   Aug 2016 — May 2020

WORK EXPERIENCE

Shipsy   Gurgaon, India
Senior Software Engineer   Dec 2021 — Dec 2023

- Led the Full-Stack development of Direct-to-Consumer products at Shipsy achieving over 1 million+ downloads
- Transformed monolithic service to 3 separate microservices - Payments, Booking, and Route Optimization improving the reliability of codebase resulting in three nines (99.9%) uptime
- Optimized **PostgreSQL** queries, introduced **Redis** caching, and added strategic indexes to **MongoDB** Collections to enhance API performance, achieving a 20% speedup in response times
- Grew the platform from 1k to 20k DAUs, which led to my company securing a thrilling $25M in funding from A91 Partners, Z3Partners, Sequoia Capital & Info Edge
- Won the Shining Performer 2023 Award for consistently being the best engineer

Software Engineer   Nov 2020 — Dec 2021

- Architected the new mobile app with **Flutter BLoC** framework, reducing crashes by 97% and increasing user engagement and daily active users by 3x
- Developed a Push Notification Service in **Python** using **Flask**, coupled with a **ReactJS** app for Product Managers to trigger notifications, this improved user engagement and conversion rates by 40%
- Designed **CI/CD** pipelines via **Jenkins**, allowing easy deployment of **Docker** Container on **AWS EC2** resulting in significant reductions in deployment times, shaving off 3 hours of manual intervention from the process

SKILLS

Languages:	Python, JavaScript, TypeScript, Java, C++, Dart, Kotlin, C#
Backend:	NodeJS, ExpressJS, Django, LoopbackJS, NestJS, ElasticSearch, ExpressJS, Flask, AWS (ECS, Beanstalk, Lambda), ASP.NET
Data:	MySQL, MongoDB, PostgreSQL, Neo4J, Apache Spark, Apache Hadoop, Redis
Frontend & Mobile:	ReactJS, NextJS, HTML, CSS	Flutter, Android, Jetpack Compose, ReactNative
Frameworks & Tools:	PyTorch, Keras, Numpy, Pandas, TensorFlow, Scikit-Learn, Matplotlib, LangChain, OpenAI APIs
Miscellaneous:	Git, JIRA, Docker, Jenkins, REST APIs, Microservices, Cloud Computing, Postman

PROJECTS

Drop A Doc (Play Store Link) (YouTube Promo Link)

- Increased Accuracy of key-entities extraction model to 92% by using a **Bi-directional LSTM** based approach
- Reduced the processing time by about 94% & cost by 91% by optimizing processing using On-Device **OCR**
- Implemented a **Django** backend, leveraging a robust **PostgreSQL** database, to support 1000+ daily users

Signature Verification (YouTube Demo Link)

- Built a **Deep Convolutional Neural Network** using **Keras and** achieved an accuracy of over 93%
- Created a customized pre-processing pipeline using **OpenCV** and deployed the backend using **Django**

Ice Breaker

- Built an Ice Breaker bot that allows users to send a highly relevant Cold DM on LinkedIn just by entering a name
- Leveraged **LangChain**, Google Search Agent, OpenAI APIs (specifically GPT 3.5 Turbo), and ReAct Prompting

ACTIVITIES

Instructed 100+ undergraduates and industry professionals in **Machine Learning** fundamentals, building a **Deep Convolutional Neural Network** model from scratch in **Keras**