Anvit Mangal
Amazon BCN

mac.anvit@gmail.com

+34-667592780

Education

Indraprastha Institute of Information Technology, Delhi — New Delhi, India

B.Tech. Computer Science & Applied Mathematics (CSAM) — 2016 - 2020

Advisors: Chetan Arora, Subhashis Banerjee

CGPA - 8.36 (Absolute Grading) : **Top 10 percentile in CSAM**

Tech Stack

Languages: JS/TS, Python, Rust(Novice), Java, R, MATLAB, Swift, Julia, LaTeX, Bash

Tools and Technologies: React, NodeJS, MongoDB, Docker, AWS, DJango, Flask, Scrapy, ElasticSearch, Serverless, Redis, Heroku, ETL Workflows, CI/CD, PyTorch, Keras, Tensorflow, Caffe, Scikit-Learn, Pandas

Industry Experience

Amazon — Barcelona, Spain

Software Development Engineer — November 2021 - Current

Working with ACES-ETHos team to improve customer fulfilment by improving the speed and accuracy of sorter optimisation. Also working on automating distribution processes in fulfillment centres.

INNOSPOT GmbH, Munich, Germany — Working remotely from New Delhi, India

Lead Data Engineer — July 2020 - November 2021

Working on the Full ETL pipeline for building the worlds largest startup scouting software solution. Built solution to scrape 1 million innovative startups, state of the art Machine Learning models for company and startup classification.

Digital Product School, UnternehmerTUM — Munich, Germany

AI Engineer — May 2019 - August 2019

Advisors: Afsaneh Asaei

Built an automated tool to match and connect AI Freelancers and Jobs using Natural Language Processing, resulting in faster freelancer and job search.

BluePi Consulting — Gurugram, India

Data Science Intern — May 2018 - August 2018

Built an article recommender system using Natural Language procession and generated cohorts using extracted features, leading to significant increase in user engagement and partnership with two news clients.

Entrepreneurial Activities

December 2020 - July 2021: **Founder, Phlourish**: Helping startups scale effectively by mentoring them in the validation phase and the MVP development. Acting as a **Product Manager** for over 16 projects in and around the DACH region and building MVPs for exciting new startups.

January 2020 - May 2021: **CTO, Glocally**: A Logistics & Supply Chain startup based in Munich. Joined the team as part of UnternehmerTUM's XPLORE program batch #1. Built the entire tech roadmap and API integrations for several clients.

Research Experience

Signal Processing and Biomedical Imaging Lab, IIIT Delhi   New Delhi, India
Research and Development Engineer   *January 2020 - July 2020*
   Advisor: Anubha Gupta

   Building Stain Normalisation Algorithms using generative DL methods, modelling biological networks using Recurrent Neural Networks, **paper published in the MedIA Journal, Elsevier: GCTI-SN: Geometry-inspired chemical and tissue invariant stain normalization of microscopic medical images**

Graphics and Vision Lab, IIT Delhi   New Delhi, India
Research Assistant   *August 2018 - January 2020*
   Advisors: Chetan Arora, Subhashis Banerjee

   Applied state of the art object detection techniques and proposed a novel Deep Learning model for Breast Cancer Detection in Mammograms, achieving an increased classification accuracy of 3% AUC on a procured Indian dataset.

Achievements

Published paper: "GCTI-SN" in Medical Image Analysis, Elsevier Journal

Awarded Teaching Assistantships, in 3 consecutive semesters at IIIT Delhi

First Position in IIT Delhi Research Open House, for work on Breast Cancer Detection

Completed the **Deep Learning Summer School** at **Indian Institute of Technology, Kanpur**

Leadership and Service

Student Representative, Disciplinary Action Committee, IIITD, 2019/2020

Member, Student Council, IIITD, 2019/2020

Member, Organising Committee, Annual Technical Fest and Cultural Fests, IIITD, 2018-2020

President, Photography Cell, IIITD, 2018/2019

Member, Sports Council and Basketball Team, IIITD, 2018/2019

Taught basic high school algebra to underprivileged students, DLF Foundation, May 2017