

ADITYA JAIN

SOFTWARE DEVELOPER 📍 PASSAU, 94032, GERMANY ☎ +4917659698815

◦ DETAILS ◦

Schillerstrasse 2
Passau, 94032
Germany

+4917659698815

adityajain@workmail.com

Date of birth

04-10-1996

◦ LINKS ◦

[My Virtual Portfolio](#)

◦ SKILLS ◦

Django

Python

AWS

Docker

Kubernetes

Git

Linux

CI/CD

JavaScript

Google search

◦ LANGUAGES ◦

English

German

Hindi

◦ HOBBIES ◦

Basketball, Playing Video Games,
Watching Movies, Listening to
Music, Debating

👤 PROFILE

Results-driven software developer with over 5 years of experience, including both professional and amateur work. Adept at managing independent projects and collaborating effectively within a team. Possesses a range of valuable skills and a strong commitment to continuous learning and growth. Highly motivated to contribute to the company's success by leveraging my expertise and passion for software development.

📁 EMPLOYMENT HISTORY

Software Developer at AD IT Systems, Remote

September 2021 — Present

Successfully designed and developed **CRM** and **data management systems** for customers and their firms using **Django**. One of my key strengths is my ability to handle all critical back-end issues, including **development, security, refinements, logs, and debugging** effectively.

Streamlined application deployment by working on **Docker** and **Kubernetes** to develop and implement highly scalable, reliable, and efficient applications. This helped me appreciate the importance of design independence, enabling teams to move quickly and reliably and monitor production workloads.

Played a critical role in Developing and improving the **CI/CD pipeline** using various solutions like incorporating **Sonarqube, automating tests, and Blue/Green** deployment.

Gained hands-on experience with several tools and technologies like **Gitlab, Miro, Lens, OpenStack, Jira, Restful API's**, etc, which helped me manage and monitor workload efficiently while delivering cost-effective, agile, and adaptable solutions of the highest quality.

Lead Software Engineer at Duftar Limited

October 2019 — September 2021

Augmented Reality-based Information Reality System (ARITS)

- Developed a revolutionary AR-based solution retrieval ecosystem, that is custom-built for different environments and problems, using **Android and Unity**.
- Successfully developed a website for the same, on **Django** and deployed it on **AWS**, which integrates this as an **e-commerce platform** for customers to purchase these AR modules. (<http://arits.io/>)
- Designed and published an Android Application using **Kotlin** that serves as the front-end for the AR portal, giving access to the AR modules, with features like Custom Voice Search, module accessibility using **Google Cloud Firestore** authentication, etc.
- Developed multiple lucrative AR modules on **Unity**, using **Vuforia AR SDK**. These work by identifying the targets and displaying the intended solution, using GIFs, images, and text to guide the user.
- Built an efficient **Enterprise Mobility Management** procedure using **Google's Enterprise Management**, for our Organization to control the use and distribution of these applications.
- Worked on **Google Play Console** to launch these applications on our **Managed Play Store** for distribution to all Provisioned devices.

- Streamlined organization of users and the authentication process with **Google Cloud Firestore**, integrating this systematically on the E-commerce Platform as well as the mobile applications for flawless productivity.

Other Projects

- Successfully developed a custom Facial Recognition platform using **Python and Open CV**. (For intended use in Covid-19 detection for a private firm, user authentication for the above ecosystem)
- Designed a notable custom object detection system using **TensorFlow**, Python, **LabelImg**, and using the SSD ResNet50, COCO dataset to test and train the data.
- Efficiently implemented **AWS EC2, RDS (PostgreSQL), Route 53, Lambda, SES, S3, etc** for use in multiple projects, working with **Security Groups, Deployment using Linux server, NGINX** configuration, etc.

Graphic Design Internship at DDB Mudra, Gurgaon, NCR

March 2018 — June 2018

I have had the privilege to work on several projects for renowned companies such as Google, Facebook, and Olay. My primary responsibilities included designing logos for their events and private functions. My work helped enhanced my ability to work collaboratively with diverse teams, embrace feedback, and produce high-quality designs within tight deadlines.



EDUCATION

M.Sc. Computer Science, Universität Passau, Passau, Germany

November 2020 — Present

Studying Master's in Informatik, with a focus on majoring in Information and Communication Systems.

B.Tech Computer Science, Vellore Institute of Technology, Vellore, India

July 2015 — August 2019

Successfully concluded my Bachelor's in Computer Science with a CGPA of 7.49.



RESEARCH

Master's Thesis at Universität Passau

My current thesis topic is "**Generation of Prohibited Content Using Dall-E2 and Its "Outpainting" Editor Through Circumventing Banned Words**" which focuses on studying and analyzing text-to-image models and find security flaws that can be used by bad actors to generate harmful content as well as finding successful and effective methods to avoid this issue.

Research Internship at University of Plymouth, Plymouth, U.K.

As a part of my final semester, successfully developed a very interesting android application that aims to teach young children as well as non-tech-savvy people about Internet Security using Gamification. This included the use of quizzes, puzzles, videos, and other games to help spark interest in this topic, in a fun and competitive way.



EXTRA-CURRICULAR ACTIVITIES

Web Design and Framework Consultation

Help projects by making their initial development process more streamlined and well organized by advising the use of specific tools and software for a much efficient workflow.