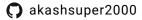
# AKASH G

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## **WORK EXPERIENCE**

Software Development Engineer

#### Amazon

Aug 2021 - Present Chennai, India

- · Worked on several critical business systems of
- Proposed multiple design decisions to existing systems owned by the team
- Supported the launch of FireTV Auto

Software Development Engineer Intern

#### Amazon

Jan 2021 - July 2021 Chennai, India

- Developed system designs for business critical FireTV services
- Developed an OTA update system that supports third-party partners for FireTV
- Built and deployed internal web applications

Software Development Engineer Intern

#### Madbee Inc

May 2019 - May 2019 Chennai, India

- Built responsive websites using React and Flask
- Automated multiple processes using Python and Bash
- Set up CI/CD pipelines in Azure DevOps for multiple applications

## **EDUCATION**

**Bachelors in Computer Science** 

## **Amrita School of Engineering**

June 2017 - June 2021 Coimbatore, India

- GPA: 9.3/10 with Academic Distinction
- Member of CSI, ACM and IEEE organizations
- Technical events lead and NSS volunteer.

Higher Secondary in PCM + CS

## Amrita Vidyalayam

June 2015 - April 2017 Chennai, India

- 93% with Distinction in Physics
- · Student academic head

## **ACCOMPLISHMENTS**

## **ML Competitions:**

- Kaggle: Global Best Rank 200 out of over 5 million users with 1 silver and 4 bronze medals https://www.kaggle.com/akashsuper2000
- MachineHack: National Rank 50/14K in the 2020 MachineHack competition

## **Cybersecurity:**

• CTFTime: National Team Rank 100 for over two years by participating in over 10 CTF security competitions every year: https://ctftime.org/team/82868

## **Competitive Programming:**

- CodeChef: Global Best Rating 1900 https://www.codechef.com/users/akash2000c oder
- HackerRank: Global Rating 1654 and 5 Gold medals in various programming tracks https://www.hackerrank.com/akashsuper2000
- ICPC: National Rank 500 and 200 of 10K+ in the years 2019 and 2020
- CSI contest 2019: National Rank 100/4K+

#### Hackathons:

- Hashcode: Global Rank Top 1K/30K+ teams for 4 consecutive years in Hashcode conducted by Google
- IIIT-H Megathon: Ranked 6/80+ teams by building a multiplayer game using Unity and C#
- Honeywell Hackathon: Ranked 4/100+ teams by building a machine-learning model that estimates warehouse pick-up times

## **CERTIFICATIONS**

- Machine Learning Certification from Stanford University through Coursera
- Deep Learning Specialization Certification from Deeplearning.ai
- · Hackerrank certifications on Problem Solving, Python, Java, React, JS and RestAPIs

## **PROJECTS**

#### **Faculty Dashboard**

- Stack: ReactJS, NodeJS, MySQL, Heroku, GitHub pages
- A web application that allows faculty to manage their course plan, time table, leaves and announcements

## **Voice-based Transport Enquiry System**

- Stack: React, NodeJS, OracleDB, Heroku
- A web application to book bus tickets with support for voice input and output

#### **Malicious Webpage Detection**

- · Stack: Python, Scikit, BeautifulSoup
- A machine-learning model that extracts various parameters from a webpage and classifies it based on the type of malware

#### **COVID-19 Tracker Dashboard**

- Stack: Flask, HTML/CSS, Pythonanywhere
- A web application that hosts the statistics of COVID-19 with support for state and district level granularity

## **Image Detection and Text Translation**

- · Stack: Python, Tensorflow, OpenCV
- A deep-learning pipeline that detects text in images and translates to other languages, with a web interface and an API

## **License Plate Detection**

- Stack: Python, Scikit, OpenCV
- A deep-learning model that extracts license plate numbers from a real-time video feed

## **Social Outreach Program**

- Stack: Java, JSP, MySQL, GitHub pages
- A web application for a social outreach program for the University

## **PUBLICATIONS**

#### Toxic Comment Classification using Transformers

- Classifying comments from discussion forums based on toxicity using transformers architecture
- Research Paper presented and published at the IEOM International Conference 2021
- http://www.ieomsociety.org/singapore2021 /papers/366.pdf

## **TECHNICAL SKILLS**

#### **Programming Languages**

Python, Java, C, C++, JavaScript, Octave, Ruby

#### **Web Frameworks**

ReactJS, NodeJS, Flask, Django, Spring, JSP

## **Machine Learning**

Computer vision, NLP, Time series

#### **Cloud Services and Platforms**

AWS, GCP, Azure, Heroku

#### **Database Platforms**

MySQL, DynamoDB, MongoDB, Cassandra, Hive, Pig

## **EXTRACURRICULAR**

- Hosted AI Adept that involves teams solving a complex machine learning problem with a small dataset at Anokha TechFest 2020
- Hosted Figure 'em all competition that involves individuals solving problems from various domains of CS at Anokha TechFest 2020
- Contributor at GitHub with contributions to multiple open-source projects
- Volunteered at the University's chapter of National Service Scheme from 2017-2020