

# ASHISH ANTON ABRAHAM

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## EDUCATION

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**BTech Computer Science and Engineering**, College of Engineering, Trivandrum

2020 - 2024

GPA: 8.7/10

## SKILLS

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**Experienced** Python, C++, PyTorch, Tensorflow, Git, Pandas, Numpy

**Comfortable** API Dev, Flask, OpenCV, SQL, PostgreSQL, Prompt Engineering

**Acquainted** Rust, AWS, MLOps

## EXPERIENCE

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**ML Intern**

June 2023 - Present

Sensegrass

USA

- Leveraged **Generative AI** models to develop a fully **automated hiring tool** that reduces HR work burden by 70% and enables them to focus on quality candidate hiring.

**ML Engineer - Contractor**

June 2022 - Dec 2022

Snap Inc.

USA

- Developed ML-powered Augmented Reality Lenses, focusing on performance and frame stabilization. Deployed **mobile-compatible GAN** by reducing memory usage by 40% to create powerful AR experiences with Lens Studio.

**SDE Intern**

May 2021 - May 2022

Phorina

USA

- Engineered and optimized network modules in **Rust** for IoT devices using **MQTT-SN** networking protocol; reduced code size by 40% using macros and improved memory usage and speed by 25%.

## PUBLICATIONS AND ACHIEVEMENTS

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- Automatic Recognition of Continuous Malayalam Speech using Pretrained Multilingual Transformers, [IEEE Xplore](#)
- IEEE Xtreme Kerala Programming Competition Winner - 2021

## PROJECTS

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**SketchGAN**: *PyTorch* implementation of [CVPR 2019] **SketchGAN**: Joint Sketch Completion and Recognition with GAN. Cascade Encode-Decoder network to complete the remaining 25% of input drawing in an iterative manner.

**Resumate**: Built a **Resume Analyzer** tool to efficiently screen large volumes of resumes and identify the most suitable candidates based on their experience, skills, and other relevant criteria. Reduces HR workloads by 70%. Worked on API development and Django backend.

**XLSR for Malayalam ASR**: Developed a Malayalam speech recognition system using **fine-tuned XLSR** language model and character-level LM. Achieved decent word error rates with a custom dataset and deployed it in HuggingFace.

## POSITIONS

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**Vice Chairperson, IET On-Campus CET**

Nov 2022 - Present

*Leading the team for IET club activities on campus for the academic year 2023.*

**Learning Facilitator, Tinkerhub**

Nov 2021 - Feb 2022

*Curated learning paths, conducted workshops and courses for the Tinkerhub Community.*