

Anirudh Prabakaran

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EDUCATION

GEORGIA TECH

MS IN COMPUTER SCIENCE
Expected Graduation May 2023

NIT - TIRUCHIRAPPALLI

B.TECH. IN COMPUTER SCIENCE
Graduated May 2018 | TN
Cumulative GPA: 8.18

PSBB SR SEC SCHOOL

Graduated May 2014 | Chennai
AISSCE Class XII CBSE: 95.8%

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
Image Processing
Natural Language Processing
Operating Systems
Database Management Systems
Computer Networks

SKILLS

PROGRAMMING

Languages:
• Python • C++

EXTRA-CURRICULAR

SAMSUNG

• Cricket Team

UNDERGRADUATE

• Head, Publicity, College Culturals
• Head, Marketing, CSE Symposium
• Dept. Coordinator, College Sports Fest
• Chess Team
• Coding Club (Delta)

VOLUNTEER

• Teaching Volunteer, MAD. [Link]

WORK EXPERIENCE

IRON MOUNTAIN | MACHINE LEARNING ENGINEER | INSIGHT DIVISION

September 2020 - June 2021 | Bangalore, India

- Research/Implementation of models in Document Understanding (splitting, classification and entity extraction/validation). (PyTorch)
- Built a human-in-loop, event-driven, scalable pipeline using our in-house models to process client data. (Docker, Google Cloud, TorchServe)

SAMSUNG RESEARCH INSTITUTE BANGALORE | SENIOR SOFTWARE ENGINEER | IOT PRODUCTS AND PLATFORMS DIVISION

July 2018 - August 2020 | Bangalore, India

- Developed an SDK for IoT devices enabling p2p communication using WebRTC. Integrated with SmartThings for home monitoring devices. (C++)
- Worked on a prototype to capture anomalous segments from surveillance videos. Publication accepted at ICInPro-2019. [link] (Tensorflow)
- Received a spot award for developing an emergency home audio monitoring engine. Solution was successfully ported on our home assistant and demonstrated during a workshop in Korea. [link] (Tensorflow, C++)
- Internal hackathon finalist for building a productivity chatbot, that learns and automates simple daily actions like commits, deploys, logging, etc. [link]
- Received the professional certification for strong algorithmic competency, awarded to Samsung engineers globally.
- Built a web prototype of a keyboard model for auto-correction and next-word prediction (Summer Internship - 2017). (Python, Javascript)

RECENT PROJECTS

CRICBOARD (2021)

- Built a webapp for cricket fanatics. Website [link]
- 30K+ page hits on Day 1, and a daily average of 2K hits during IPL.

BERKELEY DEEPRIVE EXPERIMENTATION (2021)

- Trained a network built over FasterRCNN to issue simple count queries over a driving video dataset. [link]

PNEUMONIA DETECTION (2021)

- Used a Kaggle Chest X-Ray dataset to build a model that differentiates healthy and pneumonic chests. [link]

SUBWAYSURFER (2020)

- OpenCV prototype to play subway surfer with specific body actions. [link]

EMOJI PREDICTION - UNDERGRAD THESIS (2018)

- Built a Network fed by GloVe embeddings on 10000 tweets. Achieved 56% accuracy (multi-class model with top 30 emojis).