

SHREYAS GUPTA

Developer

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📍 Bangalore, India

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🔗 <https://github.com/GLaDO8>

EXPERIENCE

Data Science Intern

GE Healthcare

📅 May 2019 – July 2019

📍 Bangalore, India

- Worked with the data science team in the Digital services technology department.
- Worked on combining supervised and unsupervised learning for Prognostic analysis of Healthcare equipment for refurbishment. The architecture helps GEHC better understand their aftermarket and services business, and cut costs by semi-automating the manual asset recovery process.
- Patent approved under GE Healthcare.

Product Designer

Lexheal

📅 June 2018 – April 2019

📍 Bangalore, India

- Developed a platform for patients and doctors to seamlessly share medical information for efficient diagnosis and improved clinical visit experience.
- proactively involved in the development of prototypes, technical guidance and go-to-market strategy.

Organiser

TEDxIIITBangalore

📅 Nov 2017 – Aug 2019

📍 Bangalore, India

- Designed, planned and executed the first TEDx event in IIIT Bangalore.
- Created a community of students, professors and industry experts for collaborating and sharing ideas.

ACHIEVEMENTS

- 2nd Runner up at GE Healthcare Precision Challenge 2018. Won Rs. 50k and secured an internship.
- Placed in top 5% worldwide in HILTI IT Competition, Malaysia 2019.
- Got selected for Udacity Secure and private AI Scholarship 2019, being issued by Facebook AI.
- Placed in top 4% in Yes Bank Datathon 2018.

SKILLS

C/C++, Python
Pytorch, SQL, Sketch
Swift, React



Public speaking, Team management



EDUCATION / COURSES

Integrated Mtech (ECE)

International Institute Of Information Technology, Bangalore (IIIT Bangalore)

📅 Aug 2016 – Aug 2021

Machine Learning by Andrew NG

Coursera

📅 Oct 2018 – present

PROJECTS

Image Processing Toolkit

- Developed an image processing toolkit for .ppm format images in C++.
- Contains optimised solutions for scaling, cropping, clipping, Histogram generation, various image segmentation methods and more.

CNN Architectural Components

- Implemented loop-less Numpy implementation of CNN architectural components from scratch. Includes components like convolution, pooling, upsampling and fully-connected layers.

British English Dialects Classification

- An ASR (Automatic Speech Recognition) approach to classifying British English dialects using clustering techniques. Used MFSC coefficients, kalman filters and temporal derivatives.

Whatsapp Chat Visualiser

- Built a Privacy-first, open-source visualisation and analysis tool for Whatsapp chats. Uses Plotly for visualisations.

Inductive charging mat

- Created a wireless charging mat which can virtually charge any Android or iOS device.

Human-Machine Interfacing

- Developed a new methodology for human computer interaction using just muscular contractions.
- The EMG signal processing unit will acquire minute voltage differences between our muscle layers caused by flexing, process it and let user give input to a machine.