Shreya Kashi

Software Developer

Contact

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Tools/Technologies

- Signal Processing
- Machine Learning
- Python
- C++
- JavaScript
- HTML
- CSS
- Node JS
- Angular
- Stencil
- MATLAB/Octave
- Tableau

Work History

October 2020 - Present

Junior Software Developer

Deloitte, Bengaluru, Karnataka

As a front-end web developer my responsibilities include:

- Creating new features/functionalities using Angular
- Collaboration with designers and clients
- Fixing bugs
- Writing unit tests

Key techniques/technologies: Angular, object-oriented programming, Agile, unit testing

May - September 2020

Signal Processing Intern

Sleepiz, Pune, Maharashtra

- Researched on developing new algorithms for contact-less breathing-rate detection to be used in the diagnosis of sleep-related disorders.
- Collaborated with a team of 4 to create a signal quality module using linear regression which estimated the quality of the given signal with an accuracy of 94%.

Key techniques/technologies: Signal processing (STFT, filtering, peak detection, signal quality), linear regression, object-oriented programming, unit testing

Education

2016 - 2020

Bachelor's in technology- Electronics and Communication

Manipal Institute of Technology, Karnataka

- CGPA: 8.4/10
- Minor specialization in signal processing
- President of a club called 'Teach Code for Good': Taught computer science to underprivileged children. We taught them the basics of computer system hardware, Word, Excel and PowerPoint and Python (basic arithmetic, variables and loops).

2015 – 2016

High School (12th standard)- Science stream

Somerville School, Delhi

- CBSE board exam: 91%
- Member of Student Council
- Topped in computer science (2015) class

Projects

Water body extraction from super resolved satellite images using Mask RCNN

Indian Institute of Science (IISc), Bengaluru, Karnataka

- Used GANs to super resolve LISS-3 images with limited number of high-resolution Sentinel-1 images. Using this, detected water bodies with an accuracy of 92%.

Key techniques/technologies: Image processing, GAN, Mask RCNN, RCAN, Keras, Tensorflow