

# Shreyansh Shah

[CodeChef](#) / [LinkedIn](#) / [Github](#)

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## EDUCATION

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- **School of Engineering and Applied Science, Ahmedabad University** July 2018 – Present  
*Bachelor of Technology in Information and Communication Technology* CGPA: 2.83/4
- **Gujarat Secondary and Higher Secondary Education Board**  
*Higher Secondary Certificate Examination; 93.05 PR* March 2018  
*Secondary Certificate Examination; 99.80 PR* March 2016

## WORK EXPERIENCE

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- **Undergraduate Research Programme, Ahmedabad University - Researcher** February 2020 – Present  
Selected and currently working on 'Mathematical modeling for 5G-NR and Wi-Fi 6' under Prof Dhaval Patel, funded by DST-UKIERI and University of Washington - Seattle - USA. Reproduced several papers from top-quality journals and conferences like IEEE Transactions on communications, IEEE ICC, IEEE VTC.
- **SAFARI INFOSOFT - Web Developer Intern** May 2020 – August 2020  
Worked as a front end developer intern and designed several web pages using JavaScript and React. Created modular, responsive templates using CSS techniques and JavaScript.

## KEY PROJECTS

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- **Speech Enhancement - Github** Team of 4, Monsoon 2019  
Removes noise from Recorded audio file and improves quality of audio. Implemented in matlab using wiener filter algorithm.
- **Gamma-Torrent - Github** Team of 3, Monsoon 2020  
Simple Bit-Torrent client implemented in Python. UDP/HTTP scrapping is used according to the torrent file and user can also resume torrent from previously downloaded state.
- **Online Shopping System - Database design and Implementation -** Team of 3, Winter 2020  
Back-end and gui implemented in JAVA with Oracle database. Key functionalities: Different Access for admin/seller and customers, Invoice generator, Details of past orders etc.
- **MIPS 16 bit Micro Processor with booth multiplication implemented -** Team of 4, Monsoon 2019  
RISC-based 28 instructions MIPS processor with hazard handling. Dataflow modelled verilog code was dumped on FPGA.

## PROGRAMMING SKILLS

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- **Languages:** HTML, CSS, JavaScript, Python, Java, C/C++, Verilog, MATLAB, MySQL, Oracle
- **Technologies/Frameworks:** Django, NumPy, SciPy, Pandas, Matplotlib, Bootstrap, Git, L<sup>A</sup>T<sub>E</sub>X

## ACHIEVEMENTS

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- **Scholarships:** Tuition fee waiver at Ahmedabad University, MYSY scholarship for 80+ PR in GSHSEB.
- **JEE-Advanced (formerly IIT-JEE) 2018:** Declared qualified.

## EXTRA CURRICULAR

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- **Position of Responsibility:** Core Committee Member of Environment Club-Ahmedabad University, IEEE Women In Engineering(WIE) Vice Chair
- **Competitive Programming:** Solved over 100 problems across platforms on trees, graphs, recursion, bit manipulation etc.