

# Parth SHAH

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## EDUCATION

PES University, Bangalore | Bachelors in Technology, Computer Science & Engineering | 2021 | CGPA : 8.96

**Involvements** Coding Division Head, The Alcoding Club | Research Project Associate, EEE Department | Head of Finance, PES Model United Nations Society | Core Member, Epsilon 2018

**Courses** Introduction to Data Science, Data Structures, Design and Analysis of Algorithms, Web Technologies, Database Management Systems, Probability Modelling, Secured Programming with C, Microprocessor and Computer Architecture, Linear Algebra, Introduction to Blockchain Technology

**Languages** Solidity, C/C++, Fortran, Python, Java, HTML/CSS, JavaScript, SQL

**Tools & Technologies** MPI, Redis, Ethereum, React, Node, Express, MongoDB, Django, Git,  $\LaTeX$

## EXPERIENCE

**Current** | **Project Intern, SOLID STATE & STRUCTURAL CHEMISTRY UNIT, IISc, Bangalore**  
**Jun 2019**  
➤ High performance and parallel (scientific) computing  
➤ Analysis of correlation functions and Molecular Dynamics simulations  
➤ Message Passing Interface for parallel computing and various optimizations

**Current** | **Coding Division Head, THE ALCODING CLUB, CS&E Department, PES University**  
**Jun 2018**  
➤ Web portal for the activities of the CS&E department  
➤ Assignment submission, evaluation, contest ranking, online judging, codelabs  
➤ Full stack development and project co-ordination

**May 2019** | **Blockchain Engineer, VARIABLE LABS PVT. LTD., Bangalore**  
**Feb 2019**  
➤ A universal exchange that allows for secure peer-to-peer transactions  
➤ Smart Contracts, DApps using Solidity, web3.js on the Ethereum blockchain

**Nov 2018** | **Subject Matter Expert, PES I/O, PES University**  
**Oct 2018**  
➤ Peer-to-peer learning system  
➤ 4 week course on Source Control and Programming Principles  
➤ Students coached using group discussions and projects

**Jul 2018** | **Software Developer Intern, HEADRUN TECHNOLOGIES PVT. LTD., Bangalore**  
**Jun 2018**  
➤ Django framework for responsive websites  
➤ Finance project in Ireland, Skyack | Social media analysis in India, Buzzinga  
➤ Several third party integrations for existing projects to better enable sales teams

## FORMATION

2017 Central Board for Secondary Education | National Public School, Koramangala | Vice Captain | 96%  
2015 Indian Certificate for Secondary Education | Sishu Griha Montessori & High School | Head Boy | 94%

## RESEARCH AND PROJECTS

#### **EVALUATION OF SPEECH ENGINES FOR USE IN AIR TRAFFIC CONTROL**

OCT 2017 - NOV 2018

EEE Department, PES University

Evaluation of Automatic Speech Recognition (ASR) technologies for adoption in Air Traffic Control simulators. Research conducted on pilot communication. Worked on state and error handling, testing. [Link](#).

#### **ADVERTISEMENT FREE RADIO**

NOV 2017

HashCode, Microsoft Innovation Lab

An application that overlays advertisements in a live stream of radio with the users' favourite tracks for uninterrupted listening. Third place in a 24 hour hackathon.