

# Parth SHAH

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## EDUCATION

PES University, Bangalore | Bachelors in Technology, Computer Science & Engineering | 2021 | CGPA : 8.94

Involvements	Research Project Associate, Center for Data Science and Applied Machine Learning   Technical Lead, 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, Web Technologies, Probability Modelling, Design and Analysis of Algorithms, Database Management Systems, Microprocessor and Computer Architecture, Linear Algebra, Introduction to Blockchain Technology
Languages	Solidity, C, C++, Python, Java, HTML/CSS, JavaScript, SQL
Tools & Technologies	Ethereum, React, Node, Express, MongoDB, Django, Git, Latex

## EXPERIENCE

Current Feb 2019	<b>Software Engineer, THE PI PROTOCOL, ARCHIMEDES LABS PVT. LTD., Bangalore</b> <ul style="list-style-type: none"><li>&gt; Blockchain solution that makes cryptocurrencies more accessible to the masses</li><li>&gt; Smart Contracts and DApps using Solidity, web3.js on the Ethereum main chain</li></ul>
Current Jun 2018	<b>Technical Lead, THE ALCODING CLUB, CS&amp;E Department, PES University</b> <ul style="list-style-type: none"><li>&gt; Web portal for the activities of the CS&amp;E department</li><li>&gt; Assignment submission, evaluation, contest ranking, online judging</li><li>&gt; Full stack development and project co-ordination</li></ul>
Nov 2018 Oct 2018	<b>Subject Matter Expert, PES I/O, PES University</b> <ul style="list-style-type: none"><li>&gt; Peer-to-peer learning system</li><li>&gt; 4 week course on Source Control and Programming Principles</li><li>&gt; Students coached using group discussions and projects</li></ul>
Jul 2018 Jun 2018	<b>Software Developer Intern, HEADRUN TECHNOLOGIES PVT. LTD., Bangalore</b> <ul style="list-style-type: none"><li>&gt; Django framework for responsive websites</li><li>&gt; Finance project in Ireland, Skyack   Social media analysis in India, Buzzinga</li><li>&gt; Several third party integrations for existing projects to better enable sales teams</li></ul>

## FORMATION

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

## RESEARCH AND PROJECTS

**CLASSIFICATION OF COTTON FABRIC USING IMAGES**

FEB 2019 - CURRENT

CDSAML Lab, PES University

Investigation of specific properties of the cotton fabric with respect to other fabrics that will aid in accurate classification. The data set consists of high resolution images of different fabrics.

**TIME TABLE GENERATION**

JAN 2019 - CURRENT

EEE Department, PES University

Using Evolutionary Computation as a method of optimization in scheduling problems. Objective is to create an application that generates timetables given multiple constraints.

**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

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.