

Parth SHAH

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I am a motivated, fast learner who is keen on exploring new domains to find solutions to challenging problems. My skills include : meticulous planning, dedicated hard work towards a goal and completing a given task irrespective of the hurdles encountered. I constantly push myself and am an outgoing person who loves to interact with different people in order to gain new perspectives.

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	Software Engineer, THE PI PROTOCOL, ARCHIMEDES LABS PVT. LTD., Bangalore <ul style="list-style-type: none">> Blockchain solution that makes cryptocurrencies more accessible to the masses> Smart Contracts and DApps using Solidity, web3.js on the Ethereum main chain
Current Jun 2018	Technical Lead, THE ALCODING CLUB, CS&E Department, PES University <ul style="list-style-type: none">> Web portal for the activities of the CS&E department> Assignment submission, evaluation, contest ranking, online judging> Full stack development and project co-ordination
Nov 2018 Oct 2018	Subject Matter Expert, PES I/O, PES University <ul style="list-style-type: none">> Peer-to-peer learning system> 4 week course on Source Control and Programming Principles> Students coached using group discussions and projects
Jul 2018 Jun 2018	Software Developer Intern, HEADRUN TECHNOLOGIES PVT. LTD., Bangalore <ul style="list-style-type: none">> 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
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 its accurate classification. The data set consists of high resolution images of different fabrics. Aim to build a model that distinguishes cotton from other fabrics.

TIME TABLE GENERATION

JAN 2019 - CURRENT

EEE Department, PES University

Aim to find methods of optimization for solutions to scheduling problems. Use Evolutionary Computation for the same. Objective is to create an application that generates time-tables 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. Our research resulted in a paper that was presented at the IEEE 4th International Conference on Computing Communications and Automation (ICCCA) on the 15th of December, 2018. [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.