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 difficulties encountered.

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
Head Software Engineer, The Pi Protocol, Variable Labs Pvt. Ltd., Bangalore
> Re-inventing finance using blockchain technology | Link to vrbl.xyz
> Smart Contracts using Solidity, web3.js on the Ethereum main chain, DApps using React

Current
Jun 2018
Technical Lead, The Alcoding Club, CS&E Department, PES University
> 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
> 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
> 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 using Images
<div align="right">Feb 2019 - Current</div>

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
<div align="right">Jan 2019 - Current</div>

EEE Department, PES University

Aim to find methods of optimization for solutions to scheduling problems. Using Evolutionary Computation. Objective is to create an application that generates time-tables given multiple constraints.

Evaluation of Speech Engines for use in Air Traffic Control
<div align="right">Oct 2017 - Nov 2018</div>

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 to paper.

Advertisement Free Radio
<div align="right">Nov 2017</div>

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.