

Parth Thakkar

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY

B.TECH IN COMPUTER SCIENCE ENGINEERING

Expected May 2018

CGPA: 8.90

LINKS

Github:// [thakkarparth007](#)

Hackerrank:// [thakkarparth007](#)

COURSEWORK

UNDERGRADUATE

Operating Systems

Formal Languages & Automata

Computer Architecture

Internetworking Protocols

High Speed Networks

Database Systems

Data Structures & Algorithms

Probability Theory

Discrete Structures

SKILLS

LANGUAGES

Proficient:

C • C++ • Javascript

Python • HTML • CSS

MySQL

Intermediate:

• PHP

Familiar:

Java • Ruby • Scala

Bash • GoLang

TOOLS & TECH

Proficient:

Linux • NodeJS • MongoDB

Git • Backbone.JS • Semantic-CSS

Socket.IO

Intermediate:

AWS • Serverless

CUDA • GDB • Wireshark

Familiar:

IBM BlockChain • \LaTeX

Alexa Skills Kit

EXPERIENCE

AMAZON | SOFTWARE ENGINEERING INTERN

May 2016 – July 2016 | Chennai, India

- Worked on an Echo-driven Tech Conference, where Amazon Echo devices use voice recognition to act as help desks and MoC's.
- Built a fully serverless backend with NodeJS, AWS, and Serverless to power FireOS Apps, the Alexa Skill and a website. Made to work in unreliable network conditions. Used JWT for authorization.
- Integrated it with internal systems, and handled Ops of the whole system.

PROJECTS

OPTIMIZING NEURAL NETWORK FOR SPEECH RECOGNITION USING CUDA | AUGUST 2016 - PRESENT

- Implemented a parallel neural network that recognizes phonemes on CUDA.
- Further work involves extending the implementation to convert audio to text in realtime using LSTM neural networks.

IBM B2B BLOCKCHAIN | AUGUST 2016 - PRESENT

- The project involves modifying existing authentication method of IBM's B2B platform to support AADHAAR based authentication.
- It also involves implementation of the backend on IBM Blockchain.

PHD/MS ADMISSIONS PORTAL | APRIL 2016 - MAY 2016

https://github.com/Chandana02/PhD_form

- The portal replaced the existing paper based admission process in our college.
- The project was deployed successfully to production and streamlined the admission process to a great extent.

DELTA MAILER | SEPTEMBER 2015 - DECEMBER 2015

<https://github.com/thakkarparth007/mailer>

- A command line utility to send transaction mails to large number of people.

AWARDS

2016	2nd	InOut Hackathon, NIT Surat
2016	3rd	Code-O-Soccer, Kshitij, IIT Kharagpur
2016	2nd	Onsite Programming Challenge, Vortex
2016	3rd	Three's a Crowd, Pragyan, NIT Trichy
2016	Best Business Model	Ventura, E-Summit '16, NITT
2015	Top 10	Ingenius Hackathon

EXTRA CURRICULARS

Delta Force	The premier Computing Club of NIT Trichy
Aaveg	Core Member of Aaveg 2016, first year cultural festival
Bits N Bytes	Author at CSE Newsletter-cum-Magazine
Pragyan WebOps	Team that handles web operations for Pragyan, NIT Trichy
Technical Council	Pragyan, NIT Trichy