

PARTH VIDYADHAR NATU

State College, PA · pzn5087@psu.edu · 8146990332 · parthnatu.github.io

EDUCATION

The Pennsylvania State University

M.S. Computer Science and Engineering *GPA: 3.5*

State College, PA, USA

Aug 2019 - May 2021

SRM Institute of Science and Technology (SRM University)

B.Tech Electronics and Communication Engineering *GPA: 3.77*

Chennai, India

Aug 2014 - May 2018

EXPERIENCE

Sciformix Technologies (now Covance)

Software Development Intern

Mumbai, India

June, 2018 - June, 2019

- Worked on Text Analysis, Natural Language Processing, Robotic Process Automation (RPA)
- Successfully deployed an RPA based data retrieval tool into production
- Used scikit-learn to create a prototype text classifier for patient complaints

The Pennsylvania State University - CSE Department

Learning Assistant for Database Management Systems (CMPSC431W)

State College, PA

Jan 2020 - May 2020

- Assisted the TAs and the instructor in creating assignments
- Held office hours to assist students with the coursework
- Graded assignments

OTHER EXPERIENCE

Software Lead - Team SRMAUV

2015 - 2018

Responsible for the software development of an Autonomous Underwater Vehicle (AUV) and the recruitment of new team members

SKILLS

Programming Languages:	Java, Python, C
Databases:	MySQL
Technologies:	Selenium, Robot Operating System, git
Web Development:	HTML5, CSS3, JS
Hardware:	Arduino, Raspberry Pi

PROJECTS

PennConnect *JS, PHP, MySQL, Neo4j, HTML5, CSS3* <https://github.com/parthnatu/pennconnect>
A full-stack social network using Neo4j and MySQL

P2P-CDN Simulator *C, ns3, Wireshark*

<https://github.com/gauravkc2794/p2p-cdn/blob/master/CN-PRESENTATION.pdf>

A ns3 based P2P-CDN Network Simulator

Patient Verbatim Text Classifier *scikit-learn, Python, HTML5, CSS3*

Implemented a text classification model using scikit-learn to classify patient complaints to the diagnosis

Autonomous Underwater Vehicle (AUV) *Python, Arduino, Robot Operating System, C++*

https://robonation.org/app/uploads/sites/4/2019/10/SRM_RS17_Paper.pdf

An autonomous submarine for research and competitive purposes

Apollo *Robot Operating System, Google Assistant API, Amazon Alexa API, Python, Raspberry Pi*

<https://github.com/parthnatu/apollo>

A "Google Home-esque" robotic virtual assistant

hnfx *Java, JavaFX, Maven*

<https://parthnatu.github.io/hnfx/>

A simple JavaFX based client for HackerNews