

Padmesh Kunwar

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EDUCATION

JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA

BTECH IN ELECTRONICS AND COMMUNICATION ENGINEERING

2016 - 2020 | AKTU, Lucknow
Percentage - 81.9 %

ST JOHNS, VARANASI

10+2 (INTERMEDIATE)

2014 - 2015 | ISC Board
Percentage - 77.6 %

10 (HIGH SCHOOL)

2012 - 2013 | ICSE Board
Percentage - 79.0 %

LINKS

Github:// [padmesh97](#)
LinkedIn:// [padmesh97](#)
Facebook:// [padmesh.97](#)

COURSEWORK

Computer Networks
Cloud Computing
Internet of Things
Programming in C and JAVA
Data Structures and Algorithms
Signal Processing
Microprocessors and Microcontrollers
Communication System

SKILLS

PROGRAMMING

Proficient:
Java • HTML • CSS • Javascript • PHP
Moderate:
C • Python • MySQL • Firebase DB •
Assembly
Familiar:
Shell • NodeJS

LIBRARIES & FRAMEWORKS

AWS • Angular • npm • jquery •
TypeScript • Materialize • Bootstrap •
Neumorphic-UI

TOOLS

Git • Github • Slack • Sublime Text

PROJECTS

COSMOS HUB | PERSONAL PROJECT

Angular, Typescript, php, MySQL, Neumorphic-UI | April 2020

- Angular project for astronomy lovers with content exclusive to astronomy field. Features include blog publishing, news, usage of NASA's open API.

CERTIFICATE GENERATOR MODULE | WEB TEAM, ELECTRINO

php, HTML, CSS, Javascript, JQuery, phpMailer

- Certificate generator module with send via e-mail functionality for technical workshops held in our college society "Electrino".

ROBOTIC PROSTHETIC HAND | FINAL YEAR PROJECT

Electromyography(EMG), Xbee Comm., Arduino, ANN | Oct 2019 - Apr 2020

- Project based on movement of Robotic hand using EMG Signals of brain for an amputee. Accuracy was increased for gesture recreation by ANN.

SMART RAILWAY ANNOUNCEMENT | DEC 2018 - JULY 2019

COMPETITION - Smart India Hackathon 2019 under MHRD, GoI

- Developed IoT based e2e solution for railway station announcement system using FM transmission, Web app and SMS services.
- HARDWARE used : Raspberry Pi, GSM Module
SOFTWARE used: HTML, CSS, Javascript, php, Firebase DB, AJAX, gTTS

NEXT SMART JUNK | AUG 2018 - MAY 2019

COMPETITION - India Innovation Challenge 2018 by DST & TI, India

- Build real time Smart Waste pickup system with driver portal and smart dustbin working coherently.
- HARDWARE used: TI's (MSP430), Soil Moisture and Ultrasonic sensor, GSM
SOFTWARE used: Google Maps API, HTML, CSS, Javascript, Firebase DB

MUSICAL ROBOT | PERSONAL PROJECT

Python, Audio Processing | Aug 2018

- Project on notes extraction and identification via window techniques in monophonic audio. Accuracy of 93% was achieved.

ORGANISATIONAL RESPONSIBILITIES

ELECTRINO, JSS NOIDA | MENTOR & FULL STACK DEVELOPER

Aug 2016 - April 2020

- Developed official website with features of student Forum, Resource portal and responsive design. Deployment was done on AWS cloud via EC2 micro instance and S3 storage.
- Hosted technical workshops and mentored 100+ students in events related to IoT, Web apps, hands-on AI and embedded systems.
- Have been Vice president for session 2019-2020.

ACHIEVEMENTS

2019	top 180/1Lakh	FINALIST	Smart India Hackathon
2019	top 100/10,146	SEMIFINALIST	IICDC by DST and TI India
2018	1 st /120	WINNER	Google Dev group Hackathon, Noida
2017	top 70/1,417	SEMIFINALIST	e-Yantra, IIT-Bombay