

Pooja Kantrod

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EDUCATION

Masters in CS - (Data Analytics) , Illinois Institute of Technology Coursework: Topics in ML, Big Data, Data Warehousing, Design and Analysis of Algorithms	Aug 2021 – May 2023	GPA: 3.5/4.0
Bachelor of Electronics and Communication , HITAM – Hyderabad Coursework: Embedded System Designs, Computer Networks, AI, Operating Systems	Aug 2016 – May 2020	GPA: 7.65/10
INTERMEDIATE , Narayana Junior college - Hyderabad	Aug 2014 – May 2016	GPA: 9.3/10

SKILLS

Programming Skills: Java, Python, SQL, C, Embedded C, HTML, PHP, CSS.

Tools: SQL Workbench, Tableau, PostgreSQL, RStudio, Hadoop, Hive, pgAdmin, Microsoft SQL Server, AWS, MS Excel, MS Access, Jupyter, Anaconda, MySQL, Arduino IDE, Raspberrypi, Linux, Pandas, Android Studio.

Certifications: Deep Learning in Computer Vision with NVIDIA Company, Arduino with Elegant Embedded Solutions, SQL Masterclass: SQL for Data Analytics, Google Data Analytics Professional Certificate.

PUBLICATION

Behavior Of Swarm Bots (*Embedded c, Arduino, RF Pair*) Sept 2019 • ([ijrat.org/Conference_Proceedings/NCRCEST-19](https://www.ijrat.org/Conference_Proceedings/NCRCEST-19))

ACTIVITIES

Volunteer, Teaching Assistant , Sahaya Society (Non Profit Children Welfare Organization) <ul style="list-style-type: none">Responsible for assisting the professor in teaching.Organized technical and cultural events.	Jul 2016 – Aug 2018
Student Head , Student Skill Development Center (HITAM) <ul style="list-style-type: none">Organized Arduino Workshop.Organized 24hrs IOT hackathon.Worked on community-based projects.Carried out research on topics like White Space Technology, Aurora Borealis, Cognitive Radio and Software defined radio.	Aug 2016 – Jul 2020
Technical Head Convener , Annual Event, Elysian'19(HITAM) <ul style="list-style-type: none">Responsible for leading and organizing technical events.Handled budgets and invoices.Responsible for promotional activities, developing feedback surveys.	Mar 2019

EXPERIENCE

IOT Intern , Elegant Embedded Solutions (<i>Embedded C, IOT, Blynk Application</i>) <ul style="list-style-type: none">Interfaced Thingspeak App using IOT.Designed Anti-theft vehicle tracking using GPS, GSM.Interfaced sensors with Blynk Application using IOT.	May 2019 – June 2019
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PROJECTS

Design of Master-Slave Swarm Bots (<i>Embedded C, Arduino, Sensors</i>) <ul style="list-style-type: none">Used Voice Bot application to pass voice commands to robots.Interfaced RF transmitter receiver pair to establish connection between groups of robots.Trained robots to follow commands while moving and lifting heavy weights.	Jul 2018 – Aug 2018
Design of Smart system for Home and locality automation (<i>Embedded C, Arduino, IOT</i>) <ul style="list-style-type: none">Interfaced 13 different sensors to Arduino.Used IOT to store sensor data on the cloud.Developed a multi-sensor data system to control and monitor household appliances, environment conditions and outdoor irrigation.	Jul 2020 – Aug 2020
Gesture Control Laptop (<i>Python, Embedded C, PyAutoGUI, Arduino</i>) <ul style="list-style-type: none">Controlled functions of the web browser with the help of hand gestures.Compared sensor range and distance accuracy to identify a better model.Used PyAutoGUI to mimic the actions of a mouse.	Sept 2019 – Oct 2019
Miwok Language App (<i>Java, Xml, Android Studio</i>) <ul style="list-style-type: none">Built activities and linked them together using Intents.Refactored app's user interface using fragments and navigation pattern.Created multiple screens within an app.	Oct 2020 – Nov 2020