

Purushotam kumar Agrawal

Final Year (B.Tech)
Electrical Engineering
NIT Allahabad
Github:// **PURU2411**
LinkedIn:// **PURU2411**

Skills

LANGUAGES

C/C++, Python, JAVA, JavaScript

SOFTWARE AND TECHNOLOGY

AWS (S3, DynamoDB), Spring-Boot
MongoDB, Express.js, React.js
Node.js, Splunk, SignalFX
Jira, Confluence, Bitbucket
Robot Operating System (ROS)
Gazebo, Pybullet, Proteus, Arduino

Area of interest / Coursework

Data structures and algorithm
Full stack web development
Control Systems and Robotics
Autonomous Vehicles and UAVs

Education

2019-2023

B.TECH. IN EE

NIT Allahabad

CGPA : 8.94/10 till 6th sem

2016-2018

INTERMEDIATE

BS College, Chenari, BR

BSEB - Percentage: 76.2%

2016

HIGH SCHOOL

D A V PUBLIC SCHOOL, Pusauli, BR

CBSE - CGPA : 10/10

Position of responsibility

2019-present - Member
Robotics Club MNNIT Allahabad

2020-present - Coordinator
Robotics Club MNNIT Allahabad

289, SV Patel hostel, MNNIT campus
Allahabad, Prayagraj 211004, India
Mob.: +91-8539914558
Email.: agrawalpurushotam@gmail.com

Experience

JUNE - JULY 2022

Atlassian

Software developer internship

Worked on a POC for time & resource optimization for bootstrap of historical data by using AWS S3 to send the processed data from a S3 bucket to the final destination.

AWS S3, DynamoDB, Java, Spring-boot, SignalFx, Splunk, CI/CD pipeline, Jira, Confluence, Bitbucket

MAY - JUNE 2021

CSED, IIT Bombay

eYantra summer internship program-2021

Model-based designing of a two-legged-wheeled robot with ROS and Gazebo. Worked on Balance bot and two-legged-wheeled robot. State space modeling and Controls. simulation in ROS/Gazebo.

Control system(State space modeling, PID and LQR controller), ROS, Python, Matlab, Gazebo, algorithm

Projects

DECEMBER 2021

Webster (AVISHKAR-2021)

React.js, Node.js, Express.js, MongoDB

MEDICAID+, a full stack website. It is a doctor's appointment booking system. Our main aim is to provide simple & effective online services for doctor appointment & consultation. Login/Signup with google, facebook or Email verification. Payment method using Stripe.js

AUGUST 2020 - MARCH 2021

Vitarana Drone (eYRC20-21 IIT bombay)

Python, ROS, Gazebo, Controls

A delivery system using Autonomous quadcopter(UAV). picking parcels and dropping at destination. Control systems, PID, path planning, image processing and algorithm development. Used Robot Operating System(ROS), Gazebo, Python.

Achievements/Awards

DECEMBER 2021

Webster, AVISKAR-21 MNNIT Allahabad

1st runner up

A doctor's appointment booking system.

JUNE 2021

Merit scholarship for B.Tech students of the institute, MNNIT

Ranked under top 5 student in 2023 batch in Electrical engineering department.

APRIL 2021

eYantra Robotic Competition20-21, IIT Bombay

Completed

Developed autonomous drone-delivery system in ROS/Gzebo. Finished top 10 in 365 teams.

FEBRUARY 2020

MAZE EXPLORER, Technex'20 at IIT BHU

2nd runner up

Developed an advanced maze solver robot.

OCTOBER 2020

Wander bot, AVISKAR-20 at MNNIT Allahabad

1st Position

Developed and simulated an autonomous robot capable of picking and placing objects at its destination.