

KAUSTAV SARKAR

AI ALGORITHMS SOFTWARE DEV

CAREER OBJECTIVE

Highly Focused Undergrad student who loves to code and work on challenges. Organized and methodical with an eye for detail resulting in solid coding and trustworthy software programs. My interests lie in Artificial Intelligence, Software Development and Algorithms.

EDUCATION

BACHELOR'S

B-tech Information Technology 3rd year
Manipal Institute of Technology

CPGA: 8.15 out of 10

EXPERIENCE

ML and Software Development Intern

Sep 2021 to present || X80 Security – Paris

- Creating an interactive user dashboard to see the current vulnerabilities in their cloud infrastructure
- Developed Heroku vulnerability scanner using HerokuAPI which sets off alarms when potentially suspicious activities are detected
- Automated the workflow of monitoring and launching EC2 spot instances to detect vulnerabilities in client servers
- Developed a software that scans an AWS account's EC2 instances and ECR repositories for vulnerabilities and sends the logs back.
- Writing tests and mocking the api responses for a dummy environment.

AI Division Member

May 2021 to present || Project Manas
– Manipal Institute of Technology, Manipal

Key contribution is working on the Automatic Valet Parking Module.

- Designing and building the Automatic Valet Parking module using point cloud library, image processing and algorithms that enables a car to park without any human assistance.
- Wrapping it as a ROS (Robot Operating System) package

AI Intern

September 2020 to December 2020 || Innovation Center
– Manipal Institute of Technology, Manipal

- Building a sentiment analysis Module which could tell the sentiment of a crowd by extracting the faces of people and passed it through a sentiment classifier.
- Building a web app for this module using flask.

PROJECTS

- Traffic Sign Classification and Detection – Realtime Traffic Sign Detection and classification using Yolo algorithm, OpenCV
- Lifelong Learning – Research Project under Professor Tribikram Pradhan MAHE-MIT

ACHIEVEMENTS

- Achieved 1st and 3rd positions respectively in Kaggle competitions organized by our college.
- Achieved 1st position in Manas Recruitment challenge on Hacker rank which was open to all First- and Second-year B-tech students.
- Was among the top 3 participants of my university in the Univ.AI Hackathon and ranked 74 in all India.

SKILLS

Attentive listening and effective oral communication skills ●●●●●
Great at Problem Solving ●●●●●
Good Leadership Skills ●●●●●
Critical Thinker ●●●●●
Ability to quickly create and apply ideas and solutions ●●●●●



ABOUT ME

Date of Birth: November 8,
2001
Age: 20

CONTACT



Mumbai India



+91 9284327349



kaustavsarkar2001@gmail.com

INTERESTS

Online Games Books and Movies
Problem Solving Adventure Sports
Sports Cultures

HOBBIES

