Mainak Mondal
Developer

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Genius, Wanna-be Billionaire, Programmer, Non-Monetary Philanthropist

WORK EXPERIENCE

Teaching Assistant
National Research Tomsk State University
07/2020 - Present   *Tomsk,Russia*

Achievements/Tasks
- Teaching a diverse community of foreign students.

Engineer (High Performance Reconfigurable Systems Laboratory)
National Research Tomsk State University
07/2018 - Present   *Tomsk, Russia*

Achievements/Tasks
- Assembled multiple drones for testing automated delivery systems.
- Engineered multiple prototypes of Autonomous Scout/Attack Drone.
- Engineered multiple prototypes of an Autonomous Scout Tank.
- Built multiple platforms for testing SLAM and Navigation Algorithms.

App Developer
SparUp Sports Technologies Private Limited
09/2017 - 03/2018   *Pune, India*

Achievements/Tasks
- Developed and Optimized the Ionic App (Hybrid).
- Developed features on the web platform(MEAN Stack).
- Meet clients to understand their requirements and improve the product accordingly.

Web Developer
Tata Technologies Ltd.
11/2016 - 12/2016   *Jamshedpur, India*

Achievements/Tasks
- Successfully Developed the Plant Complaint Management System.
- Coordinated with the Project Manager to ensure product quality.
- Optimized the Survey module in their system.

Coordinator
Ed For All (NGO)
07/2015 - 12/2017   *Vellore, India*

Achievements/Tasks
- Guide and teach Underprivileged kids(in Govt. Schools).
- Coordinate the Volunteers and Teaching Team.
- Coordinate with members to organize the biannual HOPE Event.

EDUCATION

Masters in Information Systems and Technologies
National Research Tomsk State University, Tomsk (Russia)
2020   *5/5*

Bachelor of Computer Applications
Vellore Institute of Technology, Vellore (India)
2018   *9.52/10*

SKILLS

Robot Operating System · Python · C# · ASP.Net · C++ · Java · C · PHP · Control System Optimization · Ardupilot · Firebase · SQL · Arduino · Photoshop · MongoDB · ExpressJS · Android Development · PX4 · AngularJS · NodeJS · Matlab

PROJECTS

Autonomous Infrared Guided UAV Precision Landing System. (2020)

Autonomous UAV to Track, Disable and Eliminate/Retrieve Potential Threats(targets). (2020)

Autonomous Delivery System with UAVs. (2020)

Autonomous Navigation of Quadcopters in GPS Denied Environments. (2020)

Autonomous Scout Drone. (2019)

Autonomous Scout Tank with SLAM (Using LIDAR). (2018-2019)

Cognitive Chat-bot with a physical interface and NLP. (2018)

Voice Assisted Home Automation(Raspberry Pi,Arduino, ESP8266). (2017)

Line Follower Cleaning Bot. (2017)

Manga/Comic Downloader, Python. (2017)

LANGUAGES

English ●●●●●
Hindi ●●●●○
Russian ●●○○○

INTERESTS

Space · Scuba Diving · Cars · Gaming (PC) · Artificial Inteligence · Robotics · Programming · FPV Drones · Building Exotic UAVS