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CAREER OBJECTIVE

I am interested in Computer Science. Specifically, I aspire to be an expert who can train machines to think.

EDUCATION

IIIT HYDERABAD

BTech in Computer Science
August 2018 - Now | Hyderabad, India
College of Engineering
CGPA: 8.87 / 10.0

CHOITHRAM SCHOOL

Grad. May 2017| Indore, India
Grade : P-C-M-CS (93.75%)

LINKS

Github:// **qureshinomaan**
LinkedIn:// **Nomaan Qureshi**
Twitter:// **@MohammadNomaan8**
Facebook:// **Nomaan Qureshi**

COURSEWORK

Discrete Structures
Linear Algebra
Probability and Statistics
Data Structure and Algorithms
Digital Signal Processing
Data and Applications
Machine Data and Learning
Deep Learning
Design and Analysis of software systems
Operating Systems

SKILLS

PROGRAMMING

Shell • Python • Javascript
C • C++ • CSS
Familiar:
Kotlin • Android Studio

FRAMEWORKS

MERN Stack • Flask • jQuery • SQL
•Bootstrap
Pytorch • Keras • Matplotlib
MacOS • Linux

EXPERIENCE

ROBOTICS RESEARCH CENTER | Research Assistant

May 2020 - Present | Hyderabad, India| Advisor: Prof. Madhava Krishna

- Research is in its early stages.
- Focused on visual navigation and visual servoing.

ELECTRONICS AND ROBOTICS CLUB | Web-Dev Team Leader

June 2020 – Present | Hyderabad, India

- Leading the team to develop a website for ERC, IIITH.
- Working with Flask and Reactjs. The website will be deployed soon.

PROJECTS

Generating Occupancy Grids Using Deep Learning models

- The depth and semantic information is estimated using Deep Networks, which is then used to create a 3d model of the scene.
- The 3d model is projected on ground plane to get the occupancy grid.
- Code available at : https://github.com/qureshinomaan/Generate-Occupancy-Maps

Paper Implementations

- Visual Servoing in Habitat Simulator : Implemented the paper "Deep Flow guided Visual Servoing" on habitat simulator. The flow obtained using flownet2 is used to guide the controller.
- ResNet : Implemented the ResNet architecture in pytorch for classifcation task on the CIFAR10 Dataset.

C-Shell

- Inspired by the Bash built into Linux OS, I programmed a Shell using C programming language and system calls with similar functionality and user experience.
- Code available at the following link: https://github.com/qureshinomaan/Shell

BP Monitoring Mobile APP

- Developed an android application to monitor BP of patients. Features included Chat between patient and doctor, location tracking of patient, getting data from sensor using bluetooth, raising alerts to doctor and caretakers on noticing unusual trend of BP.

ACADEMIC ACHIEVEMENTS

- Ranked in top 0.5 percentile of students who appeared for JEE-Advanced 2018 exam (total participants 1 Million).
- Selected in the Dean's Merit List for academic excellence for the year 2018-2019.

EXTRA CURRICULAR

- Responsible for Introducing Deep Learning to students in Robotics Club meets.
- Won Footbids competition organised in Felicity 2020.
- Recently took a introductory course to stock market trading on coursera.