Haziq Rahat Bullah

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EDUCATION

University of California, Riverside *2021-2023*

M.S in Computer Engineering GPA: 3.9

Member
Association for Computing Machinery, UCR
Computer Science and Engineering Graduate Student Association

Amity University *2016-2020*

Bachelors of Technology in Computer Science and Engineering GPA: 3.83

Class Rank: 1

Minor Degrees- French (2016-2020), Animation (2017-2020)

TECHNICAL SKILLS

Languages: Python, C, C++, Java, HTML, ASP.NET, SQL
Interest areas: Data Science, Machine Learning, Computer Vision
Applications: Jupyter Lab, Tableau, Visual Studio, MS Office
Operating Systems: Mac OS, Linux, Windows, Ubuntu

PROJECTS UNDERTAKEN

Detection of verbally offensive clips in videos *December 2021*

- Used ML as a tool to detect timestamps in videos where some offensive language is used

Tools Used - *Machine Learning, Python*

L-DOPA response prediction in Parkinson's disorder *July 2020*

- Built a machine learning model that predicts the L-Dopa drug's response in patients suffering from Parkinson's disease
- Developed an interactive GUI based software to integrate the ML model to provide aid to medical professionals dealing with PD patients

Tools Used - *Machine Learning, Python, C#, ASP.NET framework*

Character Recognition Through Gestures *July 2020*

- Developed a desktop application that recognizes human gestures representing English alphabets, words, and some symbols

Tools Used - *Machine Learning, Python, OpenCV*

Smart Home System *June 2018*

- Built a smart home system fully integrated with a wide variety of sensors to demonstrate the extensive use of IoT in a daily household

Tools Used - *Raspberry Pi 3, Python*

PATENTS

"A system and method of L-DOPA response prediction for Parkinson's disease using machine learning app", Indian Patent Application 202011015184, filed April 06, 2020.

PUBLICATIONS

Agarwal, R. Bullah, H. Prabhakar, A. Jatain, A. Bajaj, S., and Jaglan, V. "Parkinson's Disorder: Taking a Step Towards Homogenizing Machine Learning and Medical Science." International Journal of Psychosocial Rehabilitation Volume 24. Issue 4 (2020): 6558-6569

Jatain, A., Bajaj, S., Agarwal, and R. Bullah, H. "Predicting Levodopamine Response in Parkinson's Disorder using Machine Learning Approaches." Applied Artificial Intelligence, (2021), DOI: 10.1080/08839514.2021.1975881.

CERTIFICATIONS

Microsoft Technology Associate | Introduction to Programming using Python | Microsoft
WDPIN Java IoT Developer | Oracle

EXPERIENCE

IIRD (Institute for Integrated Rural Development) **Shimla, India**
Fundraiser, Social Media Marketer, and Content Creator – Intern *June 2020 – August 2020*

- Disseminated the information about IIRD through various social media channels and raised funds for the NGO
- Developed curated content to educate people through online platforms

VOLUNTEERING EXPERIENCE

Santa Ana River Trail Cleanup *September 2021*
Social Awareness Project for Women Empowerment *November 2021*