Yash Mishra   984-810-9273| ymishra@ncsu.edu

2522, Avent Ferry Road, Raleigh, NC - 27606   linkedin.com/in/yashmishra12 | github.com/yashmishra12

Education

North Carolina State University, Raleigh, NC	Aug 2021 - May 2023

Master of Computer Science, CGPA: 3.78/4.0

Vellore Institute of Technology, Vellore, TN, India	Jul 2016 – May 2020

Bachelor of Technology in Computer Science, CGPA: 9.72/10

Skills

Language: Java, JavaScript, Python, R

Software and Frameworks: Keras, TensorFlow, OpenCV, Tableau, Scrapy, Splash, Git, FastAPI.

Web Technologies and Databases: NodeJS, Angular, Bootstrap, MySQL, Postgres, MongoDB, JDBC.

Projects

Hand Gesture Recognition for Smart TV using Deep Learning (GitHub)   Aug 2021

- Built several models to predict hand gestures for smart TV operation and achieved 92.5% accuracy using VGG19.

Telecom Churn Prediction using Machine Learning (GitHub)   Jun 2021

- Created models to find churn predictors in an imbalanced data. Got 78% recall rate with Logistic Regression model.

Roadside Accidents in India and Image Preprocessing For Autonomous Cars (DOI)   Mar 2020

- Performed Exploratory Data Analysis of roadside accidents in India with Tableau and discovered patterns. Studied edge detectors and found Canny edge detector to have 80.2% Pratt's Figure of Merit Score.

Evolution Of Different Music Genres (DOI)   Oct 2019

- Created web scrapers to collect music lyrics. Achieved 80.61% prediction accuracy with a Random Forest model.

Flappy Bird Playing Agent Using Neural Network and Genetic Algorithm (DOI)   May 2019

- Used Genetic algorithm to update the weights and biases of perceptron-model based game-playing agents.

Experience

Information Technology Intern, Innovecture LLC, Pune, India   Aug 2020 – Nov 2020

- Worked on 4XVision - A Forex Trading Tool. Fixed bugs to verify and validate using daily SCRUM sessions.
- Attained 98.3% unit-test code coverage in Jasmine. Created CRON jobs in NodeJS to fetch prices for 10 currencies.
- Created a registration form in Angular and added phone number format checker for 270+ countries to it.

WordPress Developer, M.A.S. Hospital, Patna, India   Apr 2019 – Jun 2019

- Developed www.mahavirarogyasansthan.com. Customized pre-existing WordPress themes and plugins with HTML, CSS, JavaScript. Performed Search Engine Optimization for 35+ pages and got 1,800 hits in the first month.
- Coordinated with over 25 departments for establishing an online presence and provided WordPress training.

Summer Intern, Capacit'e InfraProjects Limited, Gurugram, India   Jun 2018 – Jul 2018

- Did financial data forecasting with Tableau to correctly predict 4.3% higher monthly revenue than last year.
- Performed data entry with MySQL and prepared monthly budget spreadsheets in Microsoft Excel.

Certificates and Awards

Vellore Institute of Technology, Vellore, India

- Academic Excellence Award: 2018 – 2019, 2019 – 2020. Computer Science silver medalist for the batch of 2016.
- Cent Attendance Award: 2016 – 2017
- Computer Science Program Representative: 2019 - 2020