

Amit Munna Gupta

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OBJECTIVE

Recent Computer Science graduate skilled in software development and machine learning. Adept at crafting user-centric applications and passionate about leveraging technology to solve real-world challenges.

EDUCATION

University of Texas at Arlington, Arlington, Texas
Masters in Computer Science, 2022 – Present
VIVA Institute of Technology, Mumbai, India
BE Computer Engineering, 2018 – 2022

PROJECTS

DRISHYAM – An Interpreter for Deaf or Mute Person:

- Conducted in-depth research on difficulties experienced by deaf and mute individuals.
- Developed a solution involving sign language interpretation, enhancing accessibility for this community.

SMART SURVEILLANCE SYSTEM:

- Built a detection system architecture that improved abnormal activity tracking.
- Designed it to send immediate alerts to the nearest officer.

SPYDER:

- Created an encryption and decryption package catered to the Flutter developer community.

SPYRO:

- Cultivated an e-commerce application with capabilities to pinpoint nearby retailers.
- Integrated an in-app chat mechanism to facilitate direct interaction between customers and store owners.

INTERNSHIPS

PayNav, 09/2021 – 12/2021:

- Conceived and executed the user interface of a financial management application employing Flutter.
- Managed Back-end development, increasing transaction efficiency and maintaining real-time database updates.

e-Yantra Summer Internship Program (e-YSIP, IIT Bombay), 05/2020 – 06/2020:

- Collaboratively designed and constructed a prototype for a self-driving robot, controllable via a smartphone.
- Implemented machine learning algorithms to predict the necessary steering angle for the robot.

FREELANCE PROJECTS

Kataria Plastics Private Limited, 01/2021 – 02/2021:

- Devised a web and mobile application for consignment bidding.
- Handled the incoming bidding data in the database and created Notification modules.

Believe ExIm, 12/2020 – 01/2021:

- Constructed a static webpage to display the company's import/export products.
- The webpage acted as a platform to highlight the company's trade operations.

SKILLS

- **Databases:** Oracle, MySQL, Firebase
- **Languages:** Python, Java, C/C++, SQL, JavaScript, Flutter, React
- **Framework:** Android Mobile Application Development, tensorflow, pytorch
- **Tools:** Virtual Studio Code, Jupyter Notebooks, IntelliJ, GitHub, GitLab

PUBLICATIONS

- Amit Gupta, S. S. Koltharkar, H. D. Patel and S. Naik, "DRISHYAM: An Interpreter for Deaf and Mute using Single Shot Detector Model," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), 2022, pp. 365-371, DOI: 10.1109/ICACCS54159.2022.9785254.
- Amit Gupta, S. S. Koltharkar and H. D. Patel, "A review on the perception and recognition systems for interpreting Sign Languages used by Deaf and Mute," 10th National Conference on Role of Engineers in Nation Building (NCRENB), Volume 1, Issue 5 (2022), ISSN(Online): 2581-7280.