

# Shreya Vitthal Deexit

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## EDUCATION

**Syracuse University** - College of Engineering & Computer Science, Syracuse, NY

January 2023 - December 2024

Master of Science

- Relevant course work: Data Structures and Algorithms, Structural Programming Language, Computer Architecture.

**PES University** - School of Electronics and Communication, Bangalore, India

August 2017 - June 2021

BTech in Electronics and Communication Engineering (CGPA : 8.88 / 10.00)

- Relevant course work: Design and Analysis of Algorithms, Database Management Systems, Cryptography, Artificial Neural Network, Digital Image Processing, Web development, Machine Learning.

## PROFESSIONAL EXPERIENCE

**Software Engineer**, Epsilon – Bangalore, India

August 2021 - December 2022

- Targeted on development of Digital Marketing Platform focusing on uniquely identifying automobile customer's patterns and achieve a positive return on marketing investment following agile software development lifecycle.
- Applied technologies such as .NET, Angular, Highcharts.js and PostgreSQL to build a holistic marketing platform enhancing customer journey from sales through service.
- Developed metadata driven insight widgets displaying trends of auto customers and optimized backend scripts such variable values are stored in form of data dictionary and provides relationship information of database tables.
- Collaborated with DevOps team and implemented CI/CD pipeline to automate package publishing process for deploying to servers.

**Application Development Intern**, Ather Energy Pvt Ltd – Bangalore , India

February 2021 - July 2021

- Collaborated on legacy codebase migration to increase reusability and manageability of applications.
- Handled production deployments, developed features based on stakeholder needs and improved security by implementing account lock feature, enforcing strong passwords, and taking other security measures.
- Built a marketing website using technologies such as Sails.js, HTML5, CSS3, JavaScript, Underscore.js and Redis.
- Managed on building tech stack on server side and standalone apps for processing high stream data connecting with electric vehicle.

## PROJECT

**Brain Controlled Robotic Arm using BCI**

August 2020 - February 2021

- Developed a prototype to assist paralyzed patients to place objects from one place to another.
- Generated Artificial Neural Network model and Brain Computer Interface(BCI) to interact between robot and human, without participation of human hand to assist patients impaired by neurological conditions.
- Achieved an average accuracy of 71.03% in predicting various movement classes.

**Covid Tracker**

June 2020 - August 2020

- Designed and constructed a web portal using Node.js, HTML5, CSS3, JavaScript and ReactJS to track number of covid cases, number of recovered and deaths occurring per day.
- Accomplished interactive user interface for user to choose from various countries to extract insights about cases in respective country.
- Deployed codebase on Firebase for users to access it online and analyse patterns of the covid cases.

**Find Infarct**

April 2020 - July 2020

- Designed and devised a deep learning model could efficiently predict region of infection of acute infarct for a given MRI image.
- Deployed model in an optimized way using Open VINO hardware accelerator toolkit provided by Intel.
- Collaborated with Intel Engineers to devise strategies to optimise deep learning models and obtain optimum accuracy

## POSITIONS OF RESPONSIBILITY

- Volunteered at Academy for Severe Handicaps and Autism (ASHA) to co-create effective learning and visual aids to make classroom learning an easier and pleasurable task for children.
- Organised and volunteered for Samarpana marathon to felicitate martyrs and to support families.

## TECHNICAL SKILLS

Programming Languages: Python | C# | SQL | HTML5 | CSS | Javascript | Typescript | Node.js | Highcharts.js

Database Management: SQL | PostgreSQL | Greenplum

Software: MS Word | MS PowerPoint | Visual Studio | Postman | Angular | Git | Jira | TFS