SHREYA VITTHAL DEEXIT

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EDUCATION

Syracuse University, College of Engineering and Computer Science, Syracuse, NY   Dec 2024
M.S. Computer Science
Relevant Coursework: Data Structures and Algorithms | Structural Programming Language | Advanced Computer Architecture | Machine Learning | Design and Analysis of Algorithms | Operating Systems | Social Media and Data Mining | DBMS | Object Oriented Design

PES University, School of Electronics and Communication, Bengaluru, India   May 2021
B.E. Electronics and Communication Engineering
Relevant Coursework: Database Management Systems | Cryptography | Artificial Neural Network | Web Development

TECHNICAL SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, C#, TypeScript
Databases and Warehouses: MySQL, OracleDB, PostgreSQL, MongoDB, Redis, Kubernetes, BigQuery
Frameworks: Angular, Node.js, Express.js, REST API, FastAPI, React/Redux, Spring, Highchart.js
Developer Tools: Eclipse, Postman, Github, VS Code, Netbeans, AWS Sagemaker, Jupyter Notebook, Jenkins
Data Tools: Tableau, PowerBI, Apache Spark, Airflow, Docker, AWS(EC, S3), GCP

EXPERIENCE

Software Engineer, Epsilon, Bengaluru, India   Aug 2021 – Dec 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, Leaflet, MVC** and **PostgreSQL** to build a holistic marketing platform enhancing customer journey from sales through service focusing on uniquely identifying automobile customer's patterns.
- Developed **10 metadata driven** insight widgets displaying trends of auto customers and **optimized backend scripts**.
- Collaborated with DevOps team of 5 members and implemented **CI/CD pipeline** to **automate** package publishing process for deploying to servers.

Application Development Intern, Ather Energy Pvt Ltd, Bengaluru, India   Feb 2021 – July 2021
- Collaborated on legacy codebase migration to **microservices architecture**, enhancing reusability and manageability of applications by 20%.
- Handled **production deployments**, developed **7 new 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.

PROJECTS

Brain Controlled Robotic Arm using BCI   Aug 2023 - Feb 2024
- Developed a prototype to assist paralyzed patients to place objects from one place to another.
- Teamed with 2 individuals and 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 - Aug 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.
- Built a user-friendly interface to select from 195 countries and extract COVID-19 case insights.
- Deployed codebase on Firebase for users to access it online and analyze patterns of covid cases.

Find Infarct   Apr 2020 - July 2020
- Designed and devised a deep learning model to efficiently predict region of infection of acute infarct for a given MRI image achieving a 40% accuracy.
- Partnered with team of 4 and deployed model using Open Vino hardware accelerator toolkit provided by Intel.
- Collaborated with two Intel Engineers to devise strategies to optimize deep learning models and obtain optimum accuracy.

LEADERSHIP EXPERIENCE

Summer Program Assistant, Summer College, Syracuse University, Syracuse, NY   June 2023 - Aug 2023
- Managed administrative tasks such as writing and submitting Duty Logs and Incident Reports.
- Actively participated in 1:1 meeting with RD, demonstrating effective communication and leadership in addressing challenges.